

AUTO-CALL

DECEMBER
1990



FCC Highlights ◉ ARRL Report ◉ VE Exam Schedule ◉ Public Service Report
Feature Articles ◉ Club Reports ◉ Want Ads ◉ Much More

Be a Know it All; Read Auto-Call



Auto-Call is the Official Journal of the Foundation For Amateur Radio

\$1.00

Now even better - 1-800-447-7489

Been all over the world
looking for a ham dealer
who really cares ?



Tired of being left out
on a limb after your
purchase ?

Shocked at the treatment
you've received?



Come visit the dealer who
really cares about you.

MARYLAND
RADIO
CENTER, INC.

8576 Laureldale Drive
Laurel, Maryland - 20707
Voice - 301-725-1212 (Laurel)
301-470-HAMM (Washington)
301-880-HAMM (Baltimore)
FAX - 301-725-1198
Modem - 301-725-8307 (8N1) 300-1200-2400 Baud

We're an authorized dealer and
service center for Icom, Kenwood and
TenTec.

Attend our monthly mini-fest.

Note our new hours - Now till 8PM

Now, direct dial Washington and
Baltimore area telephones !

Open Mon-Fri 10AM-8PM / Sat 9AM-5PM

From the B/W
parkway, take 198
west 3 lights and
turn right at the
Acura dealer. We
are at the end of
Laureldale drive.

- Fully equipped service shop
- Public Technical Library
- Free Coffee every day
- Ham exams every month
- Free Public "Junk box"
- Monthly free Mini-fests
- Free monthly newsletter
- Priority repair plan
- On-Air demos set-up
- Special events monthly
- Computer BBS 24 Hrs/day
- Used/Consignment sales

AUTO-CALL

Official Journal of the Foundation for Amateur Radio

FOUNDATION OFFICERS

Foundation President	Phil Russo, N3GDD (301) 552-2918
Executive Vice President	Tony Young, WA3YLO (301) 262-1917
Admin. Vice President	Henry Miller, W3BWN (301) 474-7376
Vice President	Robert Henkel, NA3R (301) 649-4494
Vice President	Robert Armstrong, WA4SQL (703) 751-2294
Vice President	Hugh Turnbull, W3ABC (301) 927-1797
Vice President	John Chitwood, K3RGB (301) 799-7360
Vice President	Bob Moore, N3CKD (301) 776-3571
Vice President	Mary Morris, N4TCI (703) 971-3905
Treasurer	Ed Morrison, W3RY (202) 966-4802
Secretary	Joe Seasey, KA3UZI (301) 725-5822

AUTO-CALL MAGAZINE STAFF

Editor	Ethel Smith, K4LMB (703) 536-8469
Circulation Manager	John Swafford, W4HU (703) 536-9537

Deadline for copy is the 5th. of the month. All contributions are welcomed, but the editor does reserve the right to edit or reject any portion of any copy.

Permission is granted for copying any material from AUTO-CALL provided credit is given.

AUTO-CALL is published monthly as the official journal of the Foundation for Amateur Radio. Comments made by columnists do not necessarily reflect the opinions of the Foundation. No effort is made to investigate advertisers, therefore no warranty can be implied.

AUTO-CALL has paid subscriptions of over 1500 and a total circulation of about 1800. Copies are sold at local stores and a number of Swap and Complimentary copies are mailed each month. The magazine is entered as third class non-profit matter at the post office at Arlington, VA.

Subscription rate is \$8 a year.

Subscriptions received after the 15th of the month will be started with the following month's issue.

AUTO-CALL MAGAZINE
P.O. BOX 7612
FALLS CHURCH, VA 22040-1452

MEMBER CLUBS

Adams County Amateur Radio Society
Alexandria Radio Club
Amateur Radio Research and Development Corp.
Anne Arundel Radio Club
Antietam Radio Association, Inc.
Arlington Amateur Radio Club
Baltimore Amateur Radio Club
Baltimore Radio Amateur Television Society
Capital City Amateur Radio Society
Capitol Hill Amateur Radio Society
Chaverim of the Greater Washington Area, Inc.
Columbia Amateur Radio Association
Department of State Amateur Radio Club
Fauquier Amateur Radio Club
Frederick Amateur Radio Club
Friendship Amateur Radio Club
Goddard Amateur Radio Club
Green Mountain Repeater Association
Johns Hopkins University APL Amateur Radio Club
Laurel Amateur Radio Club
MADRAS
Maryland Emergency Phone Net
Maryland FM Association
Maryland Mobileers Amateur Radio Club
Metropolitan Communications Network Radio Club
Metrovision Amateur TV Club
Montgomery Amateur Radio Club
Mount Vernon Amateur Radio Club
National Capital DX Association
Naval Research Laboratory Radio Club
New Carrollton Amateur Radio Society
Northern Virginia FM Association
Northern Virginia Radio Club
Ole Virginia Hams Amateur Radio Club
Pentagon Amateur Radio Club
Potomac Area VHF Society
Potomac Valley Radio Club
Prince George's Wireless Association, Inc.
Quarter Century Wireless Association, Inc.
 Baltimore Chapter #20
 Shenandoah Valley Chapter #137
 Vic Clark Chapter #91
 Washington Chapter #23
Radio Amateur Satellite Corporation
Rock Creek Amateur Radio Association
St. Mary's County Amateur Radio Association
Shenandoah Valley Amateur Radio Club
Southern Maryland Amateur Radio Club
Stafford Amateur Radio Assn
Sterling Park Amateur Radio Club
Tri-County Amateur Radio Club
T-MARC, The Middle Atlantic FM & Repeater Council
Vienna Wireless Society
Washington Adventist Amateur Radio Association
Washington Area Young Ladies' Amateur Radio Club
Washington Radio Club
Woodbridge Wireless, Inc.

EDITORIAL

President's Corner

By Phil Russo - N3GDD

President, Foundation for Amateur Radio

As we go into the Holiday season and the coming New Year we have some reflecting and thanking to do.

We have another successful year as a result of the Hamfest and our thanks to N3CKD and his staff. These people thrive on punishment.

Another successful year of the scholarship program administration, and our thanks to W3ABC and his staff. He recently presented me with a 1 inch thick volume of the awards made this year and all the correspondence concerning the administration of the program. My only wish is that everyone could see this, it's an eye opener! My hat is off to the Scholarship program team.

Another successful year of Auto-Call. Consistently bigger and better, I must admit. Our thanks to K4LMB and W4HU and WA3YLO. Ethel wears her blue pencil to the stump every-time I send her the disc with this column, but that has been my salvation from sticking my foot in my mouth on more than one occasion.

And thanks to all for a successful and smooth transition from one administration to another. Thanks to N3CKD for his insight and leadership.

On a sadder note, the Widow's Assistance program is in trouble. The program chairman, Bob Henkle, NA3R, has tendered his resignation effective January 1, 1991. We are actively seeking two people from each side of the river to fill in and help surviving family members of Silent Keys. The current officers on the mast head can't do it all. This troubles the Executive Board. We look at the Widow's Assistance program as an important and valuable service that is and should be provided by the Foundation. Won't some of you step forward to help your fellow man!!!!

With that I will close with a most heartfelt wish from me and mine to you and yours for a happy and safe holiday season, may your hopes and dreams be realized.

73's

Phil N3GDD

INDEX

COLUMNS

ARRL REPORT	9
FCC HIGHLIGHTS	7
PUBLIC SERVICE REPORT	13
SRAM - Amateur Radio in the USSR	21
T-MARC	17
TRAINING	18
VOLUNTEER EXAMINER CO-OP.	19
WANT ADS	49

SPECIAL FEATURES

Congratulations	27
Ham of the Month - N4SCK	29
Silent Keys	27

CLUB REPORTS

Anne Arundel Radio Club	46
Alexandria Radio Club	30
Arlington Amateur Radio Club	35
Department of State ARC	44
Fauquier Amateur Radio Club	43
Laurel Amateur Radio Club	40
MADRAS	47
Maryland FM Association	32
Metropolitan Communications	34
Metrovision - Amateur TV	31
Mt. Vernon Amateur Radio Club	39
Montgomery Amateur Radio Club	32
New Carrollton Amateur Radio Society	38
Ole Virginia Hams	41
Pentagon Amateur Radio Club	36
Prince Georges Wireless	43
Shenandoah Valley ARC	44
Southern Maryland ARC	45
Stafford Amateur Radio Ass'n.	42
Vienna Wireless Society	33
Woodbridge Wireless, Inc.	37

ADVERTISERS

EEB Electronic Equipment Bank	6
G & G	48
Ham Radio Outlet	16
Maryland Radio	2
SkyPoint Ham Center	53
R.F. Connection	50
Virginia Micro System	39

Coming Events

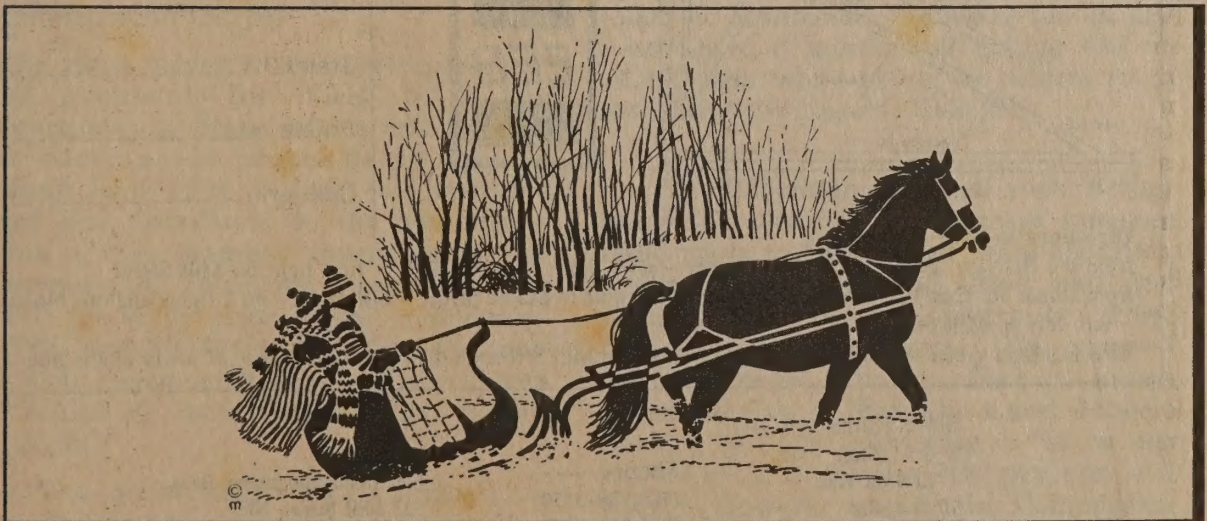
1990

- Dec. 1 - 2 Special Event operation celebrating the 50th anniversary of the first transmission of voice signals over radio. SMARC station KF3T will be operating from the historic site at Cobb Island, Maryland. See details in SMARC column on page 47.

1991

- Jan 19-21 ARRL VHF Sweepstakes
Jan 21 Richmond Frostfest (See page 22)
Feb 24 Vienna Winterfest (See page 28)
Apr 6 - 7 Greater Baltimore Hamboree & Computerfest
Apr 21 Marconi Day
May 26 Memorial Day Hamfest, Howard County Fairgrounds
Jul 28 BRATS Maryland Hamfest

Please keep Auto-Call advised of important Coming Events.
We are anxious to provide our readers with timely information
and to help you avoid possible conflicts when scheduling activities.



EEB

the EEB Hamgram

HAM & SWL NEWSLETTER

The HAMGRAM is a free service from EEB to all subscribers (Want to subscribe? Just fill in the subscription blank) and is intended to keep you, our customers and readers, informed about new products, special sales, close-out items, club & VEC information, and other news of interest.

You'll see it here before you see it in the big four monthly magazines. Why? Because we don't have ninety day lead times before publication.

We want your inputs: How can we serve you better? Is there a special product you would like to see at EEB? Please use the comment blank in this issue to reply.

GSA CONTRACT

EEB is presently negotiating a contract with GSA. This particular contract involves many popular amateur radio products.

Amateur radio equipment gives our government more bang for the buck than most specially designed equipment. It is a well known fact that many pieces of amateur equipment function as well, and some better, than high priced specially designed equipment. The cost savings advantages for purchasing amateur equipment are real and very important in these days of tight budgets.

All items on this contract will be negotiated once per year. Therefore the procurement cycle is reduced in time span, reducing delays, and making fast availability of products.

If you work for the U.S. Government please keep EEB's new GSA contract in mind.

Wanted: Trade-ins

Trader Scott says he needs late model used ham gear and is ready for some **real wheeling and dealing**.

Now is the time to upgrade to that new state of the art rig.

Also, Scott's consignment sales rack is quite low on stock, so dust off that equipment you no longer need and bring it over and let Scott turn it into cash for you.

HAMGRAM Drawing Entry and Subscription Blank

Name _____

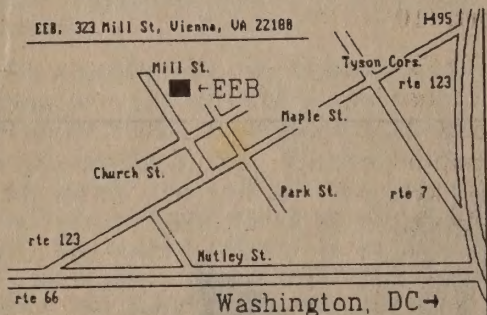
Address _____

City _____

State/ZIP _____

Phone _____

Callsign _____



Directions to EEB

from the Beltway: Exit 11B Tysons Corner - go 9 lights and one block - turn right on Mill Street

from Route 66: Exit 17 Vienna - turn left - go 1 mile to Maple Street - turn right - go 2 lights and one block - turn left on Mill Street

EEB is a light green warehouse about 1/4 mile down Mill Street on the right. Look for a 50' tower on the front.

Store Hours -----

9 to 5 Mon - Fri

'til 9 on Thur

10 to 4 Sat

Closed Sunday

Phones -----

(703)938-3350

(800)368-3270

Electronic Equipment Bank

323 Mill Street, NE

Vienna, VA 22180

FCC HIGHLIGHTS

by Bill Grenfell W4GF

The FCC "... has released the 150-page text of its Second Notice of Inquiry (NOI) in General Docket 89-554. It"...opened this proceeding late last year to provide a forum for public input on the issues likely to arise at the World Administrative Radio Conference (WARC) scheduled to open in Spain on February 3, 1992. "The agenda for this conference is limited in scope, but still could affect a number of important frequency allocations to the Amateur Service as high-frequency broadcasters and a number of terrestrial and satellite services seek new allocations.

"The second NOI includes specific draft recommendations for proposals to be made by the United States at WARC-92. "No new FCC rules will result directly from this proceeding; rather, it is a part of the process by which the FCC is determining how the future needs of users (other than the Federal government) of radio spectrum in the United States can best be represented at the conference. "The FCC also is receiving input from an Industry Advisory Committee on which the ARRL is represented. "The needs of non-government interests as defined through this process must be blended with those of the Federal government as defined through a parallel, non-public process being conducted by the National Telecommunications and Information Administration (NTIA).

"The third player in the development of U.S. proposals for WARC-92 is the Department of State, which will forward the coordinated proposals to Geneva around June 1991 so they can be translated and distributed to the administrations of the member countries of the International Telecommunication Union (ITU) for study prior to the conference." "...FCC and NTIA already have coordinated their recommendations on the majority of WARC-92 issues." (The ARRL Letter, 10/05/90).

"The government (FCC) appears to have taken some interesting precautions when it went after International Amateur

Radio Network manager Glen Baxter, K1MAN, and charged him with broadcasting." The charge says that his bulletin transmissions of August 30th and September 4th violated Sections 97.101(d) and 97.113(c) of the amateur rules. "Baxter countered by insisting that his transmissions were protected under the same authority that the ARRL's W1AW operates under, but it now appears that this is not the case. "...the text of the citation does not cite the entire series of K1MAN bulletins. "Instead, it goes after the IARN leader for aiming parts of his bulletins at non amateurs. "The Commission says that portions of some of the broadcasts were beamed specifically to SWLs. "The FCC also says that of some of the prohibited practices it cited Baxter for include pitches for Florida-based Radio-scan Magazine and a so-called Amateur Radio Peace Corps. In other words, the FCC is not going to shut down the IARN bulletin service, but is very clearly warning K1MAN to watch his audience demographics and his bulletin content. "The FCC intercepted Baxter saying that he made one-hundred-seven of his forty-five-minute single-sideband broadcasts a week! (Westlink Report, 10/26/90)(W5YI Report, (10/15/90).

FCC's Kingsville, TX monitoring station has sent a notice of violation to Lloyd S. Montcalm, WA2EXQ for an interrupted 8 minutes of calling CQ on 14,300 kHz while acting as control for a net. (Westlink Report, 10/26/90).

The Wall Street Journal reports that the FCC, seeking to encourage business radio users to find vacant radio channels, has proposed rewarding those who find abandoned or unused spectra by giving them licenses to use them. " The proposal was a part of a wider effort to insure efficient use of Private Land Mobile Service (PLMS) channels.... "It is not known yet how far the FCC proposal will reach."...However, should the Commission make this an across-the-board policy change, then every service will be taking

FCC Highlights - Continued

pot shots at most all other radio users, and amateur radio including the populous 144, 220 and 450 bands, might become primary targets of opportunity for those who are spectrum hungry in other services. (W6RCL), (Westlink Report, 10/26/90).

The October 26, 1990 issue of Westlink Report reveals that Herbert Schoenbohm, KV4FZ; Richard K. Eastman, N5FX; and William Terrill, K2BFI; "each received a \$1000 fine for violating Section 97.101(d) of the amateur rules." It reads: "(d) No amateur operator shall willfully or maliciously interfere with or cause interference to any radio communication or signal." (Westlink Report, 10/26/90).

Richard Burton, ex-WB6JAC, of Harbor City, CA was sentenced by Judge Robert M. Takasugi on Oct. 1st to one year probation, a \$2,000 fine and continuing psychiatric care. He was found guilty by a Los Angeles jury on July 18th of operating a two meter amateur radio without a license for a second time, a felony. Burton had previously served 7 months in prison for the same offense in 1982.

Effective October 1, 1990, Canadian amateurs may use any mode or emission on any amateur frequency. A 6kHz bandwidth is allowed on 160, 75/80, 40, 20, 17, 15 and 12 meters; 1kHz on 30 meters; 20kHz on 10 meters, 30kHz on 6 and 2 meters, 100kHz on 220-225 MHz, and 12 MHz on 430-450 and 902-928 MHz. (The 12 MHz bandwidth was approved on the basis that it is difficult to filter ATV vestigial sidebands.) The maximum bandwidth is "Not specified" above 1.215 GHz.

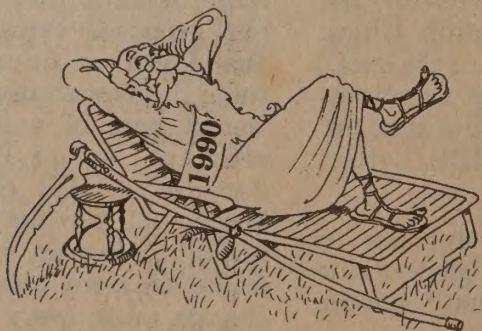
The new Canadian Mode deregulation will allow amateurs to use the new technologies as soon as they become available without waiting for DOC regulations to implement them.

"The FCC Authorization Act (signed Oct. 1) includes several items of interest. Work has now been completed, with the changing of the Communications Act of 1934 to include a prohibition against willful or malicious interference. The new Section 333 reads: "No person shall willfully or maliciously interfere with or cause interference to any radiocommunications of any station licensed or authorized by or under this Act or operated by the United States Government." (Until now, such transgressions were violations of FCC rules, rather than of Federal statutes.)

THE LATEST CALLS ISSUED FOR THE STATESIDE, ALASKA AND HAWAII CALL AREAS WERE: AS OF OCTOBER 1, 1990

EXTRA	ADVANCED	GENERAL / TECH.	NOVICE
WK1F	KC1WY	N1IAV	KA1WLE
AA2BI	KE2WH	N2LGM	KB2LEZ
WE3T	KD3TW	N3IOB	KA3WXD
AB4ZC	KN4PF		KC4TGW
AA5UU	KI5JP	N6RJM	KB5NUY
AA6YE	KK6QF		KC6ODO
AA7GI	KG7IS	N7PQH	KB7LRZ
AA8CG	KF8JJ	N8MXY	KB8KSH
WV9Q	KE9ZF	N9KDV	KB9FNS
AAØBZ	KFØMW	NØMLS	KBØHOR
Hawaii	AH6KP	NH6XP	WH6CJC
Alaska	AL7MK	NL7UZ	WL7BZK

GF



American Radio Relay League Report

By John Swafford -- W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

FOR IMMEDIATE RELEASE. ARRL proudly announces Lyle B. Aufranc, AA6DJ, as 1989 ARRL Herb S. Brier Instructor of the Year, and Gerald L. Kasselmann, KD4QA, as 1989 ARRL Professional Teacher of the Year. Lyle, a volunteer evening instructor for the Fulton-El Camino Recreation and Park District, in Sacramento, gets a thrill out of teaching, and encourages past students to teach new students.

Gerald teaches Electrical Engineering Technology at the University of Cincinnati OMI College of Applied Science, where his work with Amateur Radio has become the focus of many student design projects.

If you missed out on voting for your favorite 1989 Amateur Radio volunteer instructor, or professional teacher who uses Amateur Radio in the classroom, now is your chance for 1990. Nominate that terrific person who you think deserves this special honor. Send nominations to your Section Manager (Pg 8, QST) before January 31, 1991.

CANADA DEREGULATES. Effective Oct 1 Canadian radio amateurs found their license structure revamped and all HF mode subbands eliminated. The department of Communications now will issue a single Amateur certificate, with up to four levels of qualification: Basic, Morse code 5 wpm, Morse code 12 wpm, and Advanced.

Holders of "old" Amateur or Advanced Amateur certificates are grandfathered to the new Amateur Operator's Certificate with all four levels of qualification. Digital Certificate holders are deemed to hold the new AO Certificate with Basic and Advanced Qualification. More information appears in the October issue of QST Canada.

Concurrent with the licensing changes, DOC also eliminated subbands. Effective immediately, any mode may be used in any band, with these bandwidth restrictions: 160-12 meters (except 30 meters): 6 kHz; 30 meters: 1 kHz; 10 meters: 20 kHz; 6 and 2 meters: 30 kHz; 220 MHz: 100 kHz; 430 and 902 MHz bands: 12 MHz; all other Amateur bands are not specified.

The Canadian Radio Relay League is urging all Canadian amateurs to abide voluntarily by the band plans adopted by IARU Region 2, which recognize the traditional mode subbands.

Also, according to Harry MacLean, VE3GRO, CRRL vice president and editor of QST Canada, DOC has circulated a copy of Client Procedures Circular (CPC) 2-0-03, regarding antennas. The CPC, not yet officially released by DOC, would, according to MacLean, require Amateurs to obtain, or attempt to obtain, prior approval for antenna structures from local municipalities. It also would bring DOC into disputed cases as a matter of course.

"It is not believed," MacLean says, "that DOC will deny any amateur a reasonable antenna system. Licensed radio stations remain under federal jurisdiction, and stations must have antennas to operate. But Amateurs may be pressured to comply with unreasonable standards set by some municipalities."

MARS BEGINS SERVICE FROM GULF. With some 185,000 U.S. troops now stationed in Saudi Arabia and its surroundings, the Military Affiliate Radio System (MARS) is gearing up for traffic handling to and from the States. With Saudi approval the Army now has call signs for ten stations; traffic has been reported from three, and there already is enough of a backlog of messages in Saudi Arabia

ARRL Report - Continued

and at the MARS gateway in Germany that some messages have been "pouched" home from Europe.

According to Broadcasting magazine, low-powered TV transmitters deployed to Saudi Arabia also awaited approval of the Saudi government before they could begin re-transmitting Stateside TV.

The Air Force has 18 stations approved, with perhaps eight actually operating, handling 250 or so written messages and fifty phone patches per day.

The Navy-Marine Corps MARS got a head start on its sister services, since they did not have to wait for host agreements with the Saudis to operate from aboard ship. Phone patches and written traffic have been handled from afloat, much of the messages through AMTOR mailboxes on both U.S. coasts.

Extra radio equipment for morale use, on loan from the Harris Corporation, has been placed on two hospital ships in the region.

So far, only outgoing traffic is being accepted from the Persian Gulf area to the continental U.S. Two private initiatives are relieving the pressure that otherwise might be building: AT&T is accepting FAX messages from people in the States to participants in Operation Desert Shield--free of charge. U.S. Sprint is handling free telephone calls from the hospital ships and free phone calls in response to emergency messages from home, which are handled by the Red Cross.

The League has offered to assist MARS with recruiting, through the pages of QST, and with U.S. distribution of messages if the load gets too heavy for their own nets.

ARRL FILES COMMENTS ON DOCKET 90-314. ARRL has filed comments in an FCC Notice of Inquiry in General Docket no. 90-314, which looks toward the establishment of a new Personal Communications Services (PCS). The frequency ranges being considered are in the 800/900 MHz bands and between 1700 and 3000 MHz. The six-page comments argue for avoiding impact on amateur allocations.

Similar comments are being prepared for filing in response to a NOI in General Docket 90-357, regarding the establishment and regulation of new digital audio broadcasting services. In that proceeding the band of greatest concern is 2390-2450 MHz, including the amateur satellite allocation of 2400-2450 MHz. The comment deadline in this proceeding has been extended to Nov. 13, which will allow the League's Executive Committee to review the draft comments at its November 10 meeting.

GUEST INTERVIEWS FEATURED ON AMSAT NETS. AMSAT Operations Net Manager Courtney Duncan, N5BF, says that this month the Operations Net has begun to feature guests from the amateur satellite community.

AMSAT-NA sponsors weekly nets to provide the latest news of the amateur space program. Nets meet Tuesday evenings on 3.840 MHz. The East Coast Net begins at 2100 Eastern time; the Mid-American Net begins at 2100 Central and the Pacific Net begins at 2000 Pacific. On Sunday, AMSAT-NA nets convene at 1900 UTC on 14.282 and 21.280 MHz. A 17-Meter net convenes Sundays at 2300 UTC on 18.155 MHz.

SENATE ADOPTS BUDGET RECONCILIATION BILL WITH AMATEUR LICENSE FEES, BUT THE BATTLE'S NOT OVER. On Friday, October 13, S. 1750, a stripped down version of the House of Representatives Omnibus Budget Reconciliation Act of 1989 (H.R. 3299) was adopted by the Senate by a vote of 87 to 7. Senate leadership on both sides of the aisle blocked the introduction of any amendments to their version of the budget reconciliation bill. As it stands, S. 1750 includes fees for Amateur Radio licenses.

Now the good news. Senator Carl Levin of Michigan made a strong statement on the floor on behalf of amateurs. He said he had intended to introduce an amendment exempting amateur licenses from fees with Senators Symms of Idaho and Lieberman and Dodd of Connecticut, but that in view

ARRL Report - Continued

of the resistance to any amendments, he would not do so. The amendment he would have introduced would strike what he called "a new tax on Amateur Radio operators." Senator Levin said he did not believe the framers of the bill had intended to levy a new tax on Amateur Radio volunteers, and had confirmed this with Senator Hollings of South Carolina, Chairman of the Commerce Committee.

Senator Danforth of Missouri, the ranking minority member of the Commerce Committee agree, and said that the Committee had managed to exceed its instructions on budget reconciliation and would work with Senator Levin to drop the matter of amateur fees from the legislation in the conference committee.

OLD DOGS, NEW TRICKS. "Great masses of Soviet radio amateurs are completely uninformed about how (the Radiosport Federation) works. Recently the question was raised about introducing new types of communication. Finally, permission to operate packet was given. But to whom? Only to those who have a first-category (highest class license) station.

"Does this decision make sense? I don't think so. In our club, for example, twenty people have the first category. Twelve of them don't intend to operate packet. Why? Because all of them have reached an age when they don't intend to master a new technique, since it is beyond them.

"But we have 308 people with stations of the second and third categories. As a rule, these are young people who are inquisitive and full of initiative. But it turns out that the new type of communication is prohibited to them. So who will master packet communication? The remaining eight people? Isn't that a little low?" Quoted in Radio magazine. (Translation by Dex Anderson, W4KM).

BRIEFS

* The newest addition to the ARRL library is The DXCC Companion, by Jim Kearman, KR1S. More than just a plug for

DXing, the Companion is a beginner's guide to getting on the air, discussing everything from station layout to antennas and propagation. It would make a fine gift for that new ham you know. Price is \$6.00 (plus \$2.50 for U.S. mail or \$3.50 via UPS).

* Leonard L. Jezorek, W4LC, has joined a handful of other old timers as a 70-year ARRL member! OM Jezorek will receive an engraved plate to add to his 60-year plaque. Recent recipients of 60-year plaques include W7YU, W6BPH, W2VV, and W6BUY.

* Jim Smith, VK9NS, recently visited ARRL Headquarters on his way home to Norfolk Island from Europe and the Far East. During his visit members of the Connecticut DX Association arranged a volunteer examination session at which Smith passed all U.S. amateur elements except the Extra Class written (which he missed by two questions--"All those band segments!").

A few days later VK9NS passed the Extra Class written exam in Dallas.

He now is home on Norfolk, planning an expedition to Bangladesh.

* The FCC has denied a petition to change its rules regarding frequency shift in digital communications on VHF bands. Michael Bilow, N1BEE, on April 26, 1989, filed RM-7247, seeking to amend the rules that the specific limitations on frequency shift above 50 MHz be replaced by bandwidth standards. No comments supporting or opposing his petition were received. An amended Part 97.69 earlier this year already had accomplished the changes sought by Bilow.

* Version 3.0 of the N6RJ Electronic 2nd Op is now available from the publisher, the Radio Amateur Callbook inc. New to version 3.0 is instantaneous logging for day-to-day operating. The program, which is for IBM and compatible computers and requires a hard disk, allows importation of contest data from the K1EA "CT" software, has extensive Oscar satellite support, and is compatible with Microsoft windows.

ARRL Report - Continued

* Speaking of software, there is a glitch in version 6.18 of "CT" causing the program to crash when an unrecognizable call sign prefix is entered. The bug has been squashed (in version 6.19) and registered users of 6.18 will receive free updates to 6.19.

* CQ's Ham Radio Bookstore has a new free telephone number for book orders: 800-457-7373. More than 350 titles are in stock, including ARRL books, according to director of marketing J. Craig Clar, NX1G. A call will get you a free catalog and order form.

* Changes at Kenwood: Wayne Yoshida, KH6WZ, and Mike Forsyth, N7KQE, have been named respectively Eastern and Western regional sales managers. Yoshida formerly worked at ARRL Headquarters and has been with Kenwood five years. Forsyth joined Kenwood in May after marketing positions with Advanced Electronic Applications and Kantronics.

* Contributions to the WARC-92 fund drive continue to arrive at HQ. There is still plenty of time to respond to this mailing, which went to all ARRL members last month. All contributions will be used for the defense of amateur frequencies at the World Administrative Radio Conference (to be held in February, 1992).

* The dates for the 1991 ARRL VHF Sweepstakes are Jan. 19-21. Complete rules will appear in the contest announcement in December QST

* ARRL Founding President Hiram Percy Maxim has been honored in Israel. In the 8,500 acre Ben Shemen Forest between Jerusalem and Tel Aviv, in a grove dedicated to the memory of radio amateurs, stand ten trees especially in memory of The Old Man, W1AW. The trees were provided in the name of the Israel Amateur Radio Club. On Sept. 25 IARC chairman Joseph Obstfeld, 4X6KJ, visited ARRL Headquarters to present a certificate of dedication.

The Silent Keys Forest Project was organized by Israel members of the Quarter Century Wireless Association under the joint auspices of the Jewish National Fund and the IARC. Plans call for the dedication of ten thousand trees, along with the installation of an Amateur Radio station in the watch tower of the Forest. Memorial contributions are used to plant more trees.

More information on the Silent Keys Forest Project is available from the Israel Amateur Radio Club, PO Box 4099, Tel Aviv, Israel.

* There's a new look to the 14.1 MHz beacon system operated by the Northern California DX Foundation. In addition to the 14.1 signals transmitted by nine stations around the world, the California beacon, W6WX/B, has added signals at 21.150 and 28.2 MHz. These are activated after W6WX/B transmits on 14.1. This prototype 3-band beacon rig was designed and built by W6QHS and N6EK. The foundation hopes the other eight beacons can be upgraded to "tribanders" within a few years. Reports on the beacons are always welcome; send them to W6RQ.

* UOSAT-OSCAR-9 became a Silent Key on Friday, October 13, falling out of orbit after eight years, one week and over 45,000 revolutions around the earth. It was last heard by ZS6CCD at round 1200 UTC. UOSAT-9 was launched from Vandenberg Air Force Base on October 6, 1981.

* QST is 75 years young this year. In honor of that milestone a special December issue will feature a retrospective look at the League's journal, written by ARRL Assistant Technical Editor Dave Newkirk, WJ1Z. Approximately 20 additional pages in the magazine will comprise this special section. Advertisers who have supported this special section by taking out full-page ads are: Kenwood, ICOM, Yaesu, MFJ, Kantronics, Heath, AEA, and Alinco.

✻ ✻ ✻



PUBLIC SERVICE REPORT

Hank Black - N3ESR

(301) 340-8595

Material for the PUBLIC SERVICE REPORT can be left to N3ESR on the WA3ZNW packet bulletin board on 149.09 MHz, called by telephone, or mailed electronically by modem on arrangements, or mailed to Public Service Report, 105 North Van Buren St., Rockville, MD 20850-1860. Deadline for receipt of material is the third of the month.

Deadline for receipt of material is the fourth of the month.

ALEXANDRIA EMERGENCY COORDINATOR STEPS DOWN

Chuck Rexroad, N4HCP, relinquished his post as Emergency Coordinator for the City of Alexandria. Chuck now lives in the Reston area. Richard Adamy, KA4GFY, has accepted the position of EC for Alexandria. His home telephone number is (703) 931-2917. Please note the change on your Virginia EC List.

SKYWARN NET MANAGER APPOINTED

The Virginia Section Emergency Coordinator, Steve Czaikowski, WB4ZTR, has recently appointed Chuck Rexroad, N4HCP, as SKYWARN Net Manager, replacing Jim McKone, KB4UGI. Chuch has taken over responsibilities for coordinating the SKYWARN Nets for the National Weather Service Washington Forecast Office in Sterling, Virginia.

VIRGINIA SECTION PUBLIC SERVICE HONOR ROLL - SEPTEMBER REPORT

Call	All Stations Single Operator Status Unless Noted									Total
	Category*									
	1	2	3	4	5	6	7	8	9	
N4GHI	30	30	12	12	12	15	0	5	0	116
N4EXQ	0	30	0	12	12	42	0	0	5	101
W4JLS	30	30	0	12	12	11	0	5	0	100
WB4ZTR	17	26	0	12	12	0	0	5	20	92
KJ4EK	27	30	0	6	12	2	0	5	10	92
AA4AT	30	15	12	3	12	10	0	0	5	87
NW3K	2	30	0	12	12	1	0	5	10	72
WA4DTE	0	30	0	12	12	7	0	0	10	71
K4BGZ	0	30	0	12	12	11	0	0	5	70
KC4OJM	0	30	0	12	12	11	0	0	0	65
WB4UHC	18	19	3	6	12	1	0	5	0	64
KB4CAU	0	30	0	12	12	5	0	0	0	59
KB4OPR	0	30	0	12	0	0	0	5	5	52
KC4JGC/T	0	27	0	12	0	0	0	0	10	49
WB4ZNB	0	19	0	9	12	0	0	5	0	45
KB2CEV/T	0	17	0	12	0	2	0	0	10	41
WD4MIS	10	0	9	0	12	5	0	0	0	36
N4KSO	11	0	12	0	0	0	0	5	5	33
N4FNT	1	0	30	0	0	0	0	0	0	31
K4MLC	15	0	12	0	0	0	0	0	0	27
KA4ERP	0	10	0	3	0	1	0	5	0	19
WA4TVS	0	6	0	3	0	2	0	5	0	16
KC4GIA	0	7	0	9	0	0	0	0	0	16

Public Service Report - Continued

* Categories:

1. Checking into CW nets, 1 point each (max. 30)
2. Checking into Phone/RTTY nets, 1 point each (max. 30)
3. NCS CW nets, 3 points each (max. 12)
4. NCS Phone/RTTY nets, 3 points each (max. 12)
5. Performing assigned NTS liaison, 3 points each (max. 12)
6. Delivering a formal message to a 3rd party, 1 point each (no max.)
7. Handling an emergency message, 5 points each (no max.)
8. Serving as Net Manager or Emergency Coordinator, 5 points (max. 5)
9. Participating in a public service event, 5 points each (no max.)

A Public Service Honor Roll certificate is available to those who obtain 60 or more points per month (40 or more for Novice/Technician) for 12 consecutive months, or for 18 out of 24 months. Contact WB4ZTR @ WB4D for additional information.

MARYLAND/DC ARES EMERGENCY COORDINATORS

Maryland-DC Section EC	Mike Carr, WA1QAA	(301) 799-0403
Maryland-DC Assistant SEC	Ross Merlin, WA2WDT	(301) 983-2842
National Capital Dist. EC	Gary Mentro, WB3JRW	(301) 927-4343
District of Columbia EC	Ken Williams, N3AQG	(202) 363-8364
Allegany County EC	Gay Rembold, W3DFW	(301) 724-0674
Anne Arundel County EC	Nancy Alley, NT3Z	(301) 766-0129
Baltimore County/City EC	Robert Tracy, KA3BUY	(301) 665-1909
Calvert County EC	Samuel Schwartz, W3ZNW	(301) 535-1281
Caroline County EC	Eddie Martin, NI3U	(301) 634-2041
Carroll County EC	John Culleton, NO3Z	(301) 795-1159
Cecil County EC	Norman Doss, N3AJJ	(301) 287-5897
Charles County EC	Willam Rogers, N4ITE	(301) 645-4623
Dorchester County EC	VACANT	
Frederick County EC	Richard Ogden, N3RO	(301) 845-2670
Garrett County EC	William Willson, KB3WL	(301) 826-8888
Harford County EC	VACANT	
Howard County EC	Ed Wallace, K3EF	(301) 465-0042
Kent County EC	James Bortner, WA3UJE	(301) 778-0589
Montgomery County EC	Howard Lehnert, K3IOG	(301) 384-9083
Prince Georges County EC	George Dewees, KA3KIF	(301) 292-1241
Queen Anne's County EC	VACANT	
Somerset County EC	VACANT	
St. Mary's County EC	Al Barolet, KJ3E	(301) 862-3201
Talbot County EC	VACANT	
Washington County EC	Charles Anderson, NF3X	(301) 733-3061
Wicomico County EC	VACANT	
Worcester County EC	Leo Kilgore, KX3J	(301) 641-4291
SKYWARN Metro DC Area	(See Viriginia EC List)	

PRINCE WILLIAM HOSPITAL ANTENNA TEST

On Saturday, 20 October, the antenna system installed on Prince William Hospital, Manassas, Virginia, was used for a dual function of

- 1) An emergency test to comply with the National Section Emergency Test.
- 2) A test to determine the condition and coverage area available in case of an emergency.

Two, sequential, tests were conducted.

The first was a two way contact between stations located within Prince William County. Initial contact was through use of the Ole Virginia Hams repeater station on a frequency of 146.37/97 MHz. This was followed by a test to determine if the station contacted through the repeater could be similarly contacted by direct transmission (simplex operation). Sixteen stations were contacted through the repeater and ten of these via simplex.

The second was a check of repeaters that could be reached with communication quality. Twenty-one repeaters (each with it coverage areas) were contacted, covering an area from about Roanoke, Virginia, Fredericksburg, Virginia, East of Andrews AFB, and approximately the Pennsylvania line, and the West Virginia line.

PUBLIC SERVICE CALENDAR

Dec. 1 National Capital ARES Council Meeting

9:00 a.m., location to be announced.

Contact Hank Black, N3ESR (301) 340-8595 or

Harry Jones, N4CWP (703) 204-1781

Would You be Prepared?



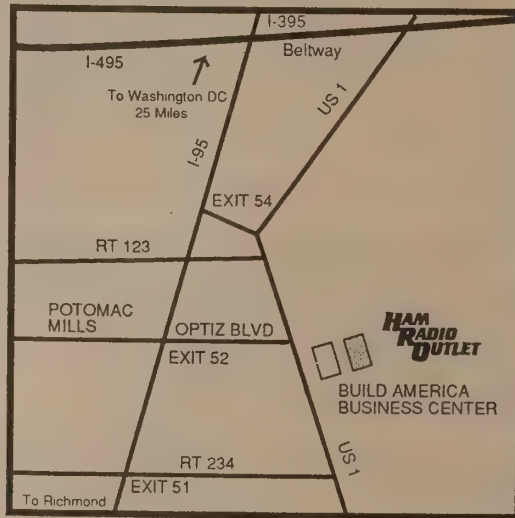


HAM RADIO OUTLET

ORDER TOLL FREE
(800) 444-4799

ORDER TOLL FREE
(800) 444-4799

NEW STORE MANAGER



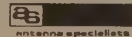
CURTIS BROWN
WB4KZL
NEW STORE MANAGER

9 Store Buying Power
All Major Brands In-Stock
at Discount Prices



ALPHA DELTA

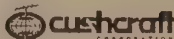
AMERITRON



ASTRON CORPORATION

Bearcat

BENCHER, INC.



HUSTLER

hy-gain

GEOCHRON

ICOM

Kantronics

KENWOOD



MFJ

MIRAGE



rfconcepts

SONY

VIBROPLEX



YAESU

14803 Build America Drive
Woodbridge, VA 22191

Hours : 10AM - 5:30PM
Monday - Saturday

Metro (703) 643-1063
Local (703) 494-8750

T-MARC

The Middle Atlantic FM and Repeater Council

Mailing Address: 7623 Old Washington Road, Woodbine, Maryland 21797

T-MARC ADOPTS NEW TWO METER POLICY

At the Annual Meeting of the T-MARC membership on October 7th, a second frequency coordination procedure was adopted for proposed two-meter repeaters in the greater Washington-Baltimore-Annapolis Metropolitan area. Contact the Frequency Coordinating Committee for details.

T-MARC POLICY CHANGE ON UN-COORDINATED REPEATERS

T-MARC will no longer list un-coordinated repeaters either in the T-MARC or ARRL Repeater Directors. This is another policy change adopted recently.

REPEATER INTERFERENCE COMPLAINT POLICY CLARIFIED

T-MARC Policies and Procedures will be followed regarding the handling of repeater interference complaints. Specifically, if any coordinated repeaters are experiencing "harmful interference" (as defined in the F.C.C. Rules) from un-coordinated repeaters, sponsors should contact T-MARC in writing for recommendations on how to resolve such problems.

RECENT COORDINATIONS FOR T-MARC AREA

New 444.725/449.725 MHz repeater coordinated at Lorton, Virginia, sponsored by the Northern Virginia Six Meter Group.

Anne Arundel Radio Club's coordination for their 147.105, 223.880, and 444.400 MHz repeaters was canceled due to failure by the Club to respond to numerous inquiries from T-MARC regarding information about the repeaters.

T-MARC canceled the frequency coordination of KD4DN's 443.725/448.725 MHz repeater at Fairfax, Virginia, due to the sponsor's failure to reply to several inquiries regarding the correct location of the repeater.

The proposed 443.425/448.750 MHz repeater at Frederick, Maryland, received T-MARC coordination.

The Committee re-coordinated WA3OHI's 443.750/448.750 MHz repeater at Frederick, Maryland to a new frequency of 443.125/448.125 MHz.

Coordination of the proposed 449.200/444.200 MHz repeater at Salisbury, Maryland was granted to the Peninsula Radio Operator's Society.

Issued Interim Frequency Coordination on the Repeater Builder's Channel (144.57/145.17 MHz) to the New Carrollton Amateur Radio Society at New Carrollton, MD and to the FBI Amateur Radio Association at Lorton, Virginia.

At the sponsor's request, coordination of the proposed N3DUV 224.52 MHz repeater in Baltimore was canceled.

Training Classes

Robert Armstrong, WA4SQL

44 South French Street, Alexandria, VA 22304

(703) 751-2294

Novice Training Classes, Baltimore, MD. Sponsored by BRATS. Classes are being held on an on-going basis every Friday evening at American Red Cross; 4700 Mt. Hope Drive, Baltimore (near Reisterstown Road Plaza Metro Station). Class is free; Materials (which you can keep) consist of a book and tape and cost \$19.90. For registration or information, contact Jeff Salamon, N3FHT at (301) 484-1362

Novice and Upgrade Classes, Lexington Park, MD. Sponsored by St. Mary's County Amateur Radio Assn. For further information contact WD8OYG or call (301) 862-2214.

Code classes, NW Washington, DC. Starting in late November. Sponsored by MADRAS. For further information contact Larry Zeicheck, N3GKZ (301) 984-6112

Novice Classes, Severn, Maryland, Probably starting in January Sponsored by Maryland Mobileers. For information call Bill Dillon, WA3SCW (@ WB3V in Packet)

General/Tech Classes, Laurel, Maryland, starting in February. Sponsored by Laurel Amateur Radio Club. For information call John - W3GFS at (301) 490-5286 or Pud - W3DQI at (301) 498-6293.

GENERAL INFORMATION

Club

Alexandria Radio Clu
Anne Arundel
Antietam Radio Assn.
Arlington ARC
Baltimore ARC
BRATS
Chaverim, Inc.
Fauquier ARC
Frederick ARC
Laurel ARC
MADRAS
Montgomery ARC
Mount Vernon ARC
NASA/Goddard ARC
Pentagon ARC
Rock Creek ARA
Shenandoah Valley ARC
Southern Maryland ARC
Sterling Park
Tri County ARC
Vienna Wireless
Washington Adventists
Woodbridge Wireless

Contact

Harry Jones - N4CWP (703) 204-1781
Tony Young - WA3YLO (301) 262-1917
Mike Vaia - WB8VBW (301) 797-1573
Fred Bardsley - WD4DHW (703) 533-0372
Phone 1-800-HAM TALK
Jeff Salamon - N3FHT (301) 484-1362
Bob Teitel - W3IDT (301) 654-3484
Bill Mills - KC5PF (703) 937-4090 (H), 818-3955 (O)
Steve Bauman - W3FOA (301) 662-4552
John Albertine - W3GFX (301) 490-5286
Larry Ziecheck - N3GKZ (301) 530-8646
Ken Nichols - KA3KGL (301) 977-5405
John Forrest - WZ4A (703) 971-3905
Vikki Gigante - KA3PVS (301) 249-2609
David Boyd - K9MX (202) 697-0630
Walt Ramsey - AK3B (301) 949-3954
Guy Black - W4PSJ (703) 722-4952
Vic Curtis - WA3YUV (301) 888-1388
Art Nevins - WA4NTP (703) 437-9382
Al Sines - WA3QGA, Box 710, College Park 20740
Paul Wilkins - AB4CY (703) 560-2779
Henry Miller - W3BWN (301) 474-7376
Lloyd Davis - K8EI (703) 360-0248

Please keep the Training Chairman advised of any changes

FOUNDATION FOR AMATEUR RADIO
Volunteer Examiner Cooperative

Nancy Draheim - NK4U
3513 Old Post Road, Fairfax, VA 22030
(703) 691-0078

SCHEDULE OF EXAMINATIONS
1990

EXAMS

IMPORTANT NOTE: If you now have a Technician class license which was acquired prior to March 21, 1987, have a copy of it available when you decide to upgrade.

- Dec 1 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
 Contact: Albert Bailey, N4RPI (804) 233-6461
- Virginia Beach ARC (Virginia Beach, VA) (ARRL VEC)
 Contact: Tom Weikel, KA4UNC (804) 340-7697
- University of Maryland (College Park) (W5YI VEC) Walk-in
 Contact: Scott Rosenfeld, NF3I (301) 963-4008
- Dec. 8 Montgomery College (Germantown, MD) (ARRL VEC)
 Contact: John Muller, W3QF (301) 564-0178
- PROS (Salisbury, MD) (Laurel VEC) Walk-in
 Contact: Dave Bridge, KB3MT (301) 436-8360
- Anne Arundel ARC 9LARC VEC0 Pre-registration requested
 Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115
- Dec 20 Baltimore ARC (Baltimore, MD)
 Contact: Matthew Roberts (301) 721-1820

1991

- Jan 5 GWU/Dept of State (Washington, DC) (ARRL VEC) Walk-in
 Contact: Derrill Rohlf, W3WOX (301) 423-0179
- Jan 19 Laurel ARC (Laurel, MD) (Laurel VEC) Pre-registration desirable
 Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Jan 20 Richmond Frostfest (Richmond, VA) Pre-registration Required
 Contact: Al Bailey (804) 233-6461
- Jan 27 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
 Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Feb 16 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
 Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.

(Continued)

Volunteer Examiner Cooperative - Continued

- Mar 9 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360
- Mar 16 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Apr 20 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Apr 28 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- May 18 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Jun 8 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360
- Jun 16 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Jul 20 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Jul 28 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Aug 17 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Sep 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360
- Sep 21 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Oct 19 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Oct 27 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)
- Nov 16 Laurel ARC (Laurel, MD) (Laurel VEC) Pregistration desirable
Contact: John Creel, WB3GXW (301) 572-5124 after 6 p.m.
- Dec 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360

This schedule of examinations appears each month in Auto-Call Magazine
Sponsored by the Foundation for Amateur Radio

SRAM -- 024

(Soviet Radio Amateur Movement)

Edited by Dexter Anderson, W4KM

[Following are summary translations from the Soviet Amateur Press]
[Comments in square brackets or footnotes are by translator]

[from August 1990 issue of RADIO magazine]

"MONEY FIRST!"

["Money First!" is a quote from "Twelve Chairs" by Il'f and Petrov, well-known satirical writers from the 1920's and 1930's. A man selling 12 chairs refuses to turn them over until he is paid. This leads to the article's main theme: That the financial repercussions of the various proposals for reorganizing amateur radio be considered carefully before decisions are made.]

Proposals for reorganizing the Soviet Radio Amateur Movement may be divided into those calling for amateur radio to continue developing inside and outside DOSAAF. But almost no one making proposals has analyzed the financial aspects.

The QSL Bureau of the Central Radio Club of the USSR has a staff of eight and a budget of about R. 75,000. It processes about 7,000,000 QSL cards a year.

Even with a minimum staff, maintaining the headquarters of a national amateur radio society costs about 10 rubles per amateur, not counting initial expenses to set up a new organization.

Then there's the local club level. As an example, the Moscow City Sport-Technical Radio Club has a budget of about R. 60,000, again not including initial capital investment.

Expenses subject to amortization could easily come to 30 rubles per year per member.

It works out that membership dues of over 50 rubles a year would be necessary to finance a radio amateur organization. If dues were reduced for young people, they would have to be raised for adults.

And where would we get the 50 or so thousand in hard currency to pay membership dues to the International Amateur Radio Union and to pay for foreign radio amateur diplomas? For a long time we've become accustomed to having the Central Radio Club of the USSR apply for such diplomas on behalf of Soviet shortwavers. But by no means everyone knows that for each diploma the CRC pays a minimum of a couple of dollars. In other words, each shortwaver, in contrast to other citizens, is able to make direct expenditures of foreign currency (in small amounts, true, but of foreign currency all the same) for their hobby.

We should add that all these amounts are provided by DOSAAF USSR.

The cost of producing books for shortwavers, ultrashortwavers, and "fox-hunters" in small printing runs (in tens of thousands) is fairly high. Besides, books and other articles (such as pins) are intended for members or potential members of the same radio amateur organization, so profit from them represents an indirect increase in membership dues for those purchasing them.

The foregoing isn't intended to intimidate those favoring improvements or even radical changes in the Soviet Radio Amateur Movement. Rather, we wish to call attention to what in our view is the most fundamental aspect of the subject. We repeat again that there are many problems, and much that needs change, in the organization of the Soviet Radio Amateur Movement. But, as indicated above, "Money First!" Well, maybe not money per se, but a careful economic basis for any proposed changes.

(Continued)

RICHMOND FROSTFEST XIV

Winter Amateur Radio and Computer Show

SUNDAY, JANUARY 20, 1991

The Showplace, 3000 Mechanicsville Turnpike, Richmond, Virginia

Hours: 8:30 A.M.-3:30 P.M.

An ARRL Approved Event

Presented By The Richmond Amateur Telecommunications Society

GENERAL INFORMATION

DEADLINE FOR ALL RESERVED SPACES AND ADVANCE TICKET SALES IS DECEMBER 29, 1990. No space reservations or advance tickets after that date. Any unsold spaces will be available on the day of the show. All monies for advance tickets and reserved spaces must be received no later than January 7, 1991.

AMATEUR RADIO EXAMS GIVEN AT 10:30 A.M. Pre-registration required. **No Walk-Ins.** Contact Phil Giella at (804)561-3020.

NEW LOCATION THIS YEAR! Building available for set-up from 12:00 P.M. until 8:00 P.M. on Saturday the 19th. Will re-open at 6:00 A.M. Sunday for set-up. Drive-in for unloading is available on Saturday only.

Exhibitor, hourly, and major door prizes. Hourly prizes drawn starting at 9 A.M. Major prizes drawn at 3:30 P.M.

Talk-in provided Sunday morning on the 146.88 and 145.43 repeaters.

TICKETS AND RESERVATIONS: Mark Huff, WA4DHY, (804)747-0227 Evenings 7 PM - 10 PM (Mon. - Thurs.)
OTHER INFORMATION: Bill Mason, AB3P, Frostfest Chairman, (804)745-5822

REGISTRATION FORM

NAME _____ TELEPHONE _____

BUSINESS NAME or AMATEUR CALL SIGN _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

_____ ADMISSION TICKETS @ \$5.00 EACH..... \$ _____

_____ ELECTRICAL POWER FOR FLEA MARKET AREA @ \$5.00..... \$ _____
(Payment of one power fee covers all flea market tables for an exhibitor)

_____ GENERAL TABLES (8') @ \$10.00 EACH..... \$ _____
(Non-Commercial Exhibitors must also purchase General Admission Tickets)

_____ COMMERCIAL BOOTH SPACES (8' each) @ \$30.00 FIRST TABLE,
\$25.00 EACH ADDITIONAL TABLE (Price includes electrical power)..... \$ _____

ENCLOSE SELF-ADDRESSED STAMPED ENVELOPE IF ONLY ORDERING TICKETS
MAKE CHECKS PAYABLE TO RICHMOND FROSTFEST

TOTAL: \$ _____

MAIL THIS FORM, WITH YOUR CHECK AND S.A.S.E., TO:
RICHMOND FROSTFEST, 5005 MEREDITH WOODS ROAD, GLEN ALLEN, VA 23060

CUT-OFF FOR ADVANCE TICKETS AND RESERVATIONS IS DECEMBER 29, 1990

SRAM-024 - Continued

"THEY PROHIBITED... LIFE" ["ZAPRETILI... ZHIZN"]

by A. Fedorov, RW3AH

Regional Coordinator, Radioamateur Emergency Service (RAS)

After the tragic earthquake in Armenia in 1988, a small group set about to create the RAS (Radiolyubitel'skaya avariynaya gluzhba - Radioamateur Emergency Service) of the USSR.

Experience shows that commercial communications can break down in extreme situations, especially in the initial phases, at which time an amateur station can lend assistance. Another proof of this occurred just recently.

On 6 April 1990, Andrey Pechonkin, an operator at UZØAYB, excitedly called the RAS from Krasnoyarsk, explaining that Aleksey Zubok, age 17, was seriously ill with leukemia. One person who could help save him was Professor Winkler from the Children's Clinic attached to the University of Hamburg in the FRG.

Everything was done quickly but the illness was progressing even more quickly. Alesha's life was slipping away. The latest blood count relayed to the Hamburg clinic via Frank, DL2GBM, by UZ9CWW, was discouraging. The operation had to be performed immediately. Professor Winkler agreed to consult with the Krasnoyarsk surgeons by telephone, but things were complicated by the excessive time it took to put through a telephone call between the Federal Republic of Germany and Krasnoyarsk, since there's no direct connection between them.

And at this point UZØAYB came to the rescue. Everything necessary was done to establish contact between Professor Winkler and the clinic in Krasnoyarsk. A German interpreter was found. Participants in the emergency net operated carefully and in a well coordinated way -- UZØAXX, RA9OP, DL2GBM, UW9YE, and UV3ACQ. The West German Red Cross also helped out and maintained continuous contact through its operator DL1GBZ.

With a human life hanging by a thread and the long-awaited contact via commercial channels still not established, it was decided to use a phone-patch, which amateur stations in the Soviet Union are in principle prohibited from doing. To save a life we were prepared to violate the instruction and intended, as soon as they put through the FRG, to connect to the telephone circuit so that Professor Winkler could provide direct consultation prior to the operation by the Krasnoyarsk surgeons.

Of course, it would have been simpler to do this completely via amateur radio HF communication, but the Radio Regulations do not permit the transmission of information from third parties between amateurs in different countries (unless there is an agreement between the countries).

Four long, exhausting hours went by. Andrey from UZØAYB went to the clinic and telephoned the station from time to time from there. That's when a severe shortage of portable VHF FM stations (walkie-talkies) was felt. But they are among the things that are "prohibited" in our country! Finally, Moscow put Hamburg through. It turned out that Professor Winkler spoke English. Andrey himself explained to him how things stood and reported on the condition of the patient. The West German doctor heard him out, asked several professional questions, and in deep sorrow stated that it was too late, that medicine was powerless to help. Andrey hung up the phone and at that moment learned that Aleksey had died several seconds earlier. The report from the clinic shook the airwaves. It is painful and bitter to experience the loss of a person, but doubly painful when it is possible to help but you are helpless in the face of artificial prohibitions.

Whenever we encounter impenetrable bureaucratic barriers, we lose valuable time; the price of this is sometimes a human life, as was the case with Aleksey.

SRAM-024 - Continued

"AND AGAIN GELENDZHIK"

by Yelena [Helen] Vsevolodovna Turubara, Senior Editor, "Radio"

The Autumn events in Eastern Europe led to the abolition of defense societies [DOSAAF equivalents] in a number of countries and refusal to participate in competitions having a military orientation. The traditional "For Friendship and Brotherhood" competitions will no longer be held.

"REPEATERS" ["REPITERY"]

by Vasiliy Zaushitsyn, RW3DR, [ex-EX1DR/mm]

There are now more than 50,000 repeaters in the world, 20,000 of them in the United States. [Technical details on repeaters follow.] [A note following the article states that more details on repeaters are planned in "Infotekh" which may be subscribed to by writing to P. O. Box 41, 220050 MINSK.]

"CQ-U"

To receive the "CHINGHIS KHAN" diploma [the name of the certificate is written in Latin letters in the original article; the spelling GENGHIS KHAN is more commonly used in English], established by the Federation of Radio Sport of Mongolia and by the Mongolian DX Club, one must contact one Mongolian station and twelve stations each in a different DXCC country. The callsigns of these stations must be such that a single letter from each suffix forms the name of the diploma, for example, C from JA2WDC, H from WB1HVG, I from OZ5CI, etc. There are no data, mode, or band restrictions. Verified log extracts (either by a club or by two shortwavers) are to be sent to P. O. Box 639, ULAAN-BAATAR 13, MONGOLIA, accompanied by 15 IRCs. The diploma is also issued to SWLs.

[3 of some 136 QSL routings:] 4K1J via UA1JJ; 5V7DP [Dennis E. Panther, US Embassy Lomé] via KA2DE; ES1QD via UR2QD.

[from Boris G. Stepanov's (UW3AX) column "NLD"
("na lyubitel'skikh diapazonakh" - "On the Amateur Bands")
in the weekly newspaper SOVETSKIY PATRIOT]

NLD-1456, 17 - 23 September 1990:

The "Rainbow Bridge" Certificate [Diplom "Raduzhnyy most"] is issued for contacting 5 members of the ZILAN DX CLUB (USSR) and 5 members of the WESTERN WASHINGTON DX CLUB (USA). Log extracts go to P. O. Box 88, 420045 KAZAN'.

QSL cards for R9Z (active 4 - 24 August 1990) are to be sent (PSE SASE!) to ADXA, P. O. Box 1, 656057 BARNAUL. From UA9Y2 [sic].

UA1DV reports there will be some delay in dispatching QSL cards for his operation from Antarctica using the callsign 4K1DV. Cards for him may be sent via UA1GN to Radio Club, P. O. Box 16, 189510 LENINGRAD-LOMONOSOV. From UA1GN.

NLD-1457, 24 - 30 September 1990:

ZMT and P-ZMT diplomas are no longer being issued. Beginning 1 August, the Central Radio Club of the USSR Named After E. T. Krenkel' stopped processing diplomas issued by the Polish Union of Shortwavers, since effective this date payment for these diplomas must be in freely convertible currency (about 10 IRCs). Previously, diplomas were exchanged with the RZK without payment.

"Murmansk Medal"

For Merchant Marine Veterans

A Soviet Commemorative medal is being awarded to Merchant Marine veterans who participated in convoy runs to Murmansk during WW-II. There has been an overwhelming response for this medal and the Soviet Embassy advises that any more eligible persons submit their requests as soon as possible so they can be processed in the next batch. (Those who have already applied for the medal do not need to send any additional letters inquiring about the status of their applications. This will only add to the current workload and slow the process.)

Documentation of service on vessels engaged in the convoy(s) to Murmansk must be provided and a written request made to the Soviet Consulate Office in Washington, D.C. The above information, and details of the requirements and instructions for applying for this medal, appeared in the Fall issue of the Gallups Island Radio Ass'n. newsletter *Spark Gap*, P.O. Box 397, Newington, VA 22122-0397.

The Editor of *Spark Gap* is Tom Cruse (703) 971-6421. The newsletter is dedicated to the men that went to sea as Merchant Marine Radio Officers, their instructors, and the support personnel assigned to Gallups Island.

Gallups Islanders Sought

The Gallups Island Radio Association is trying to locate the "Gallups Islanders" who attended the Gallups Island Radio School during World War II. They have not been able to locate over 3,000 of the people whose names are in the computer files. If you can help, drop a note to P.O. Box 397, Newington, VA 22122-0397.

Amateur Radio News Service Publication Contest

The Amateur Radio News Service will again conduct a publications contest aimed at identifying and recognizing superior performance in Amateur Radio journalism, and evaluating club newsletters with suggestions for improvement.

The contest is open to all Amateur Radio organizations. Membership is not required. General circulation magazines and professional journals are not eligible.

To enter the contest, each club should submit one copy of any issue of their newsletter published during the period July 1989 through December 1990. Publications will be classified by club size. Within each classification, certificates will be awarded indicated categories of Superior, Excellent, or Good and a summary critique will be provided of outstanding characteristics of the paper, and suggestions for improvement.

To receive more information and an ARNS Publication Contest application, write to:

Lee Knirko, W9MOL
President, ARNS
11 S. LaSalle Street, Suite 2100
Chicago, Illinois 60603

Deadline for receipt of entries is December 31. Early submissions will be appreciated to facilitate the work of the judges. A list of entrants and their category by classification will be published in a special issue of the ARNS Bulletin.

*Several local newsletters have received high ratings in previous contests.
ARNS also funds two scholarships which are administered by FAR.*

Last Chance

Effective January 1, 1991, the subscription rate of Auto-Call will be increased to \$8.00 per year. Until that time, you can enter a new subscription or renewal of subscription at the present rate of \$6.00. The only catch is that the subscription period may not extend beyond December of 1992.

Take advantage of this opportunity now and renew your subscription. Introduce a friend to Auto-Call. Enter a gift subscription for your friends. Auto-Call will make a wonderful Christmas Present they can enjoy the whole year through. If you wish, we will provide a nice Gift Subscription card advising of your present. (Note whether the card should be mailed directly to the recipient or to you.)

Please enter my NEW____ RENEWAL____ GIFT____ subscription to Auto-Call

For 1 Year _____ 2 Years _____
(Subscription rate still \$6.00 per year)

Name _____ Call _____

Address _____

If this is a gift, list name of recipient above and your name here:

Make check payable to the Foundation for Amateur Radio

ARE YOU INTERESTED IN PUBLIC SERVICE?

JOIN

PRINCE GEORGE'S WIRELESS ASSOCIATION

Hyattsville, Maryland

Start at an early age. Amateurs possessing a Technician license or higher can participate in Disaster Services operation of the American Red Cross, Prince George's County Chapter. We will welcome your membership.

Guaranteed use of club station, K3CEZ.

Assistance on a one-to-one basis
will be provided for upgrading.

For more information, contact Frank Holton, WA3ZMW (703) 927-1245
or

Hersh "Dan" Miller, W3SWD (301) 927-5837

Congratulations to

John Kanode, N4MM on being re-elected without opposition as Director of the ARRL Roanoke Division. Congratulations also to Vice Director **James Walker, WD4HLZ** who was also re-elected.

Bruce Marcus, WA1NXG of Manchester, CT on assisting the FCC and local police in determining the location of a "Jammer" who had been interfering with police radio communications for some four months. The equipment was confiscated and the man now faces 142 counts of first-degree criminal mischief. Bruce said he put his ham direction finding experience to use along with "stealth technology" equipment. Marcus is president of Marcus Communications of Manchester, specializing in land mobile 2-way radio.
(From ARRL Letter, October 19, 1990)

Silent Keys

John E. Platt, W4QX of Alexandria, Virginia died of a heart attack on October 7. He was 71. Platt was an active Amateur and a member of the Society of Wireless Pioneers, Veteran Wireless Operators Association, Quarter Century Wireless Association, and the Retired Officers Association. During WW-II he served as a Naval pilot in North Africa and Europe flying PBYS. He retired from the Naval Reserve as a LCdr. After the war he started his BC engineering career at a BC station in Texas. Because of his TV training in the service, he was recruited by NBC and began his career at WRC in 1948. He stayed for 33 years, retiring as a senior TV engineer. Soon after leaving NBC, he was recruited by CIA and spent another 5 years there as a television electronics consultant before his final retirement. He is survived by his wife, Dorothy, and four sons. John will be sorely missed by his many friends.
(Submitted by W4HU)

Ralph V. DeCoursey, Sr. - N4BZL of Arlington, Virginia died of cardiac arrest Nov 10. He was 87. He was an active Amateur Radio operator and was a spark gap member of The Society of Wireless Pioneers, the Radio Intelligence Division Assoc, the Yangtze River Patrol Assoc and was a 32nd degree Mason. He began his communications career in 1919 with the United States Navy where he served in Panama, the Philippines and with the Yangtze River Patrol in China. He retired from the Navy in 1939. He was a communications officer with the FCC until he was recalled to active duty with the Navy in 1943 where he was in service until he retired in 1945. He continued his career in the communications field as a civilian with the National Security Agency, on assignment in Japan and at Ft Meade headquarters in Maryland, retiring in 1972.
(Submitted by W4HU)

Ernest Seering, WA4CGY became a Silent Key on October 9 after a long illness. Ernie was very active on the local repeaters and very active with the Masonic orders. He is survived by his wife, Louise, of Arlington, Va.
(Submittee by Louise Seering)

Newsman Douglas Edwards, television's first anchorman and a friend of Amateur Radio, died October 13 of cancer. He was 73. Edwards voice can be heard on the two ARRL films, *The World of Amateur Radio* and *The New World of Amateur Radio*. He also narrated 12 Amateur Radio spots which were produced at ARRL by Steve Mendelsohn - WA2DHF in the early 1980s.
(ARRL Letter 10/19/90)

ANNOUNCING THE VIENNA WIRELESS SOCIETY WINTERFEST™ 1991

RAIN SNOW OR SHINE
SUNDAY, FEBRUARY 24th

7:30 AM

AT THE

VIENNA COMMUNITY CENTER
120 Cherry Street
Vienna, VA.

GENERAL ADMISSION

\$ 5⁰⁰ PER TICKET

XYL, UNDER 12 FREE

FROSTBITE TAILGATING

\$10 PER SPACE- OPEN 6AM
FIRST COME ~ FIRST SERVED

FOOD SERVICE

EARLY BREAKFAST
SNACKS-DRINKS

VEC EXAM 9AM

DEMOS
EXHIBITS
NEW
USED
OLD



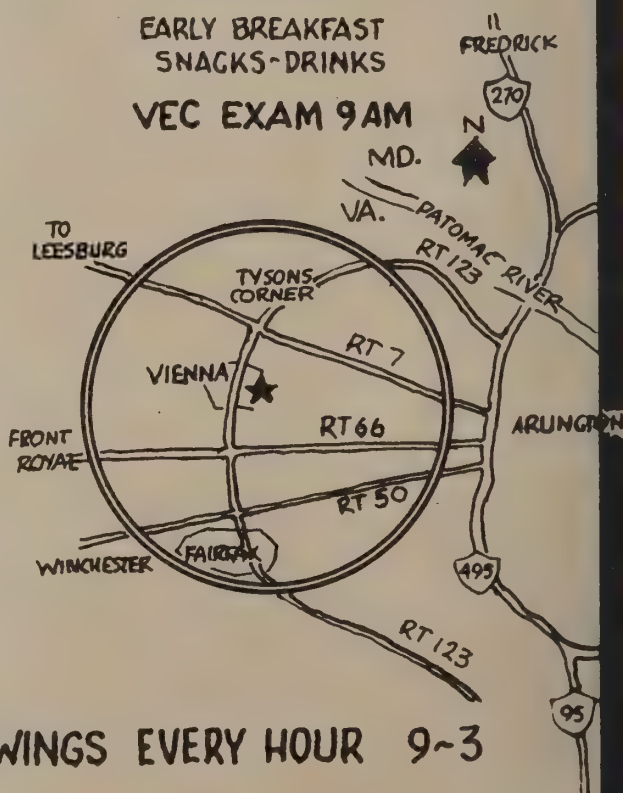
TALK IN KAHTA/R

146.085in 146.685out

146.197in 146.797out

USUAL AMENITIES DRAWINGS EVERY HOUR 9~3

AN ARRL SANCTIONED HAMFEST



Foundation For Amateur Radio Ham of the Month

Robert Lewis, N4SCK

I would like to nominate Robert V. Lewis, N4SCK for the Foundation's Ham-of-the-Month. Bob gives freely of his time and talents continuously by serving as the ARRL ARES Emergency Coordinator for Fairfax County, Virginia.

Bob had an interest in Amateur Radio since he was about 12 years old, but wasn't willing to spend the time to learn Morse Code until about two years ago. But once licensed, it wasn't long until he became involved in ARES activities. Bob says, "I obtained my Amateur Radio license because I like the public service aspect of the hobby. I have enjoyed doing several volunteer public service activities in the past, such as a volunteer in my hometown hospital and working on a volunteer rescue squad when I lived in Richmond, Virginia." Under ARES he has worked on 15 ARES public service events in the past two years and assisted with three emergencies.

When ARES Emergency Coordinator, Joe Peters - WB4WZZ, found it necessary to resign his position in July, 1989, Bob Lewis submitted his application. Since then Bob has been the king-pin of ARES activity in Fairfax County. He has provided assistance to his local governments, the Red Cross chapter, and the National Weather Service. He was a driving force behind the SKYWARN training and provided the temporarily antenna at the NWS facility at Dulles Airport. He has coordinated communications for numerous public service vent, including the International Children's Festival, Wheel Chair Race of Champions, Dogwood Half Hundred, Cherry Blossom Parade, Fairfax City Parade, Civil War Battle Re-enactments, and many others. Bob not only expends countless hours coordinating these events, but both he and his wife, Judy, participate in a big way. Bob's motor home is often used as a Net Control station, or as a rest spot at many events. In addition to his EC duties and responsibilities, Bob is also an active member of the Old Virginia Hams, AMRAD, and Vienna Wireless Society.

Bob took on a very big responsibility in filling the shoes of former ARES EC Joe Peters. Almost every public service minded individual in the Northern Virginia area knew about Joe's untiring devotion to public service. When he found that his duty to his employer and his family were demanding more and more of his time, he reluctantly resigned his EC position. Everyone knew he was going to be sorely missed and there was considerable concern that no one would come forward to try to continue where Joe left off. Luckily for Fairfax County, and Northern Virginia, Bob Lewis stepped forward. His efforts have certainly earned him recognition as the Foundation's Ham-of-the-Month.

(Submitted by Steven Czaikowski - WB4ZTR, Virginia SEC)



Even Better Than we Thought!

We were so anxious to brag about our seven year old Technician Luke Ward (Novice call KC4TFL), in the November Auto-Call, but it seems we still short changed him! There were only two other 7 year old Novices in the country and when Luke upgraded he apparently became the **only** 7 year old **Technician**. Our sincere apologies to Luke and a triple congratulation on his record achievement! He still hasn't received his Tech call sign yet.

Alexandria Radio Club

Meetings: 2nd and 4th Fridays of each month at the Alexandria Red Cross
Chapter House 401 Duke Street, 8:00 p.m.
Nets: 147.315 RPT at 7:00 p.m.

The next meeting is on December 14th. This is an important meeting as we will be looking at a new club constitution to replace our old and somewhat out dated one. Chuck is the author of this new document and promises many improvements and some significant changes. This might be called our CONSTITUTIONAL CONVENTION. We will also be accepting nominations and electing club officers for 1991. If you don't show up you may find yourself elected!

After the short business meeting we will have a pot luck dinner to celebrate the holidays together. Don't forget to bring something to share.

Programs for next year will include AMRAD, AMSAT, METROVISION, ARES, Tips on DX, CPR class, Henry's Townhouse satellite station, Field Day, and others.

DECIBELS DECIBELS

DASHING THRU THE PILE-UPS,
DXING ALL THE WAY,
OVER THE LIDS WE GO,
WITH THE LINER ON ALL DAY,
ID'S ON REPEATERS SING,
KEEPING IT LEGAL AND RIGHT,
OH! WHAT FUN IT IS TO RAGCHEW AWAY THE NIGHT,
DECIBELS, DECIBELS FM'ING ALL THE WAY,
OH! WHAT FUN IT IS TO GO MOBILE IN A 57 CHEVROLET,
CONNECT BELLS, CONNECT BELLS, PACKET ALL THE WAY,
SENDING HOLIDAY GREETINGS YOUR WAY,
FROM THE ALEXANDRIA RADIO CLUB

XXXXXXX
XXXXXXX

Rick Bunn - N4ASX



N88B6230

Metrovision

FAST SCAN - COLOR - ATV

Meetings: Quarterly: Call for next meeting time and place.
Repeater: WA9GVK/4 (Video and Audio) 425-431 MHz in; 438-444 MHz out
Also accessible on 144.970, simplex, audio.
On-the-air: Sundays at 8:00 p.m.
Mailing: Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Information: Dick - WB3EPX (301) 439-8135
Gene - AD3F (301) 774-5307

The annual Metrovision dinner was held at Blackies House of Beef in Springfield, VA on October 14, and we had fourteen guests in attendance. We all had an excellent time of fellowship and a good meal. We want to thank our gracious host, Mike - KA3TMQ for making the evening a most enjoyable one. The photograph below was taken at the dinner.



Our sincere congratulations to Bruce - WA9GVK and his fiancée Rhonda on the announcement of their forthcoming wedding.

The following information was submitted by Ken - W3DFS: At 1323 Hours on October 27, Bill - WB8ELK supervised the launch of a balloon borne Amateur Radio station carrying an FM voice beacon and a video transmitter. The launch took place at Whiteville, North Carolina, approximately 350 miles SSW of Washington, D.C. The balloon would eventually rise to an altitude in excess of 100,000 feet and provide coverage at distances up to 375 miles. Since the video beacon was on 435.250 MHz, the

Metrovision repeater was secured during the launch activity. Activity was coordinated on 40 meters with Ken - W3DFS and Bernie - WD4O participating.

At 1420 Hours, signals were received from the FM voice beacon aboard the balloon with the familiar voice of Bill Brown - WB8ELK. In less than four minutes, the FM signal rose to 10/9 and the video signal was observed at P3. By 1427, both signals were pegging the S meter with the video at a full P5 level.

The signals continued at this level until 1439 when the balloon apparently burst. Ken - W3DFS forwarded a letter to Bill Brown that documented the signal levels and occurrences that transpired during his monitoring of the event. The letter, on behalf of himself and Metrovision, reflected our congratulations and expression of thanks for Bill's efforts to further the fraternity of Amateur Radio.

See you on ATV.

Dick - WB3EPX



Maryland FM Association, Inc.

Meetings: Quarterly
Repeater: WA3DZD/R - 146.16/146.76, 223.16/224.76, 449.00/444.00
Address: P.O. Box 351, Hanover, Maryland 21076
Information: John Elgin, WA3MNN (301) 384-6513

The club's Jessup, Maryland, repeater system now has a new (experimental) wrinkle. We are testing a slave "simulcast" transmitter on the 146.76 output, located in NW Washington, DC. The purpose is to try to improve the repeater's output coverage in the downtown D.C. area. The transmitter is only running a few watts of RF output power, to limit its coverage.

However, in the "cross-over" region between the main transmitter site at Jessup and the slave transmitter, some repeater users might hear some distortion on the repeater output. **DON'T WORRY** - there is nothing wrong with your radio! This is an experiment to see if we can

make simulcasting work on the Amateur bands, and there are some bugs to be worked out. The technical committee will be looking for reports and observations of this system.

The MFMA Annual Meeting is scheduled to be held at the Community Hall in Savage, MD, at 2:00 p.m. on Sunday afternoon, December 2nd. Election of officers for the coming year will be held. Let's have a good turnout!

We are already making plans for the club's annual Memorial Day Hamfest, to be held on May 26, 1991, at the Howard County Fairgrounds. Mark your calendar **now!**

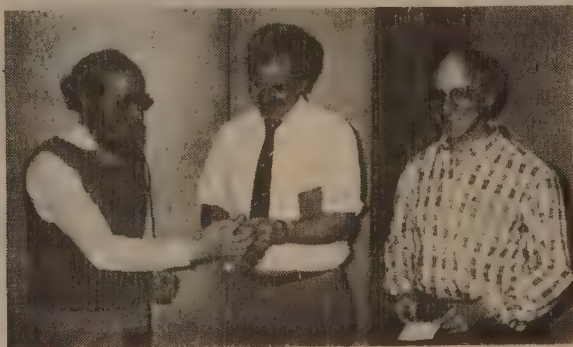
Gary - W3DTN

Montgomery Amateur Radio Club, inc.

Meetings: 1st and 3rd Wednesday of each month, 7:30 p.m.
Executive Office Building, 101 Monroe Street, Rockville, MD.
Repeater: 146.04/64
Information: Bob Lyons - NK3I. Home Phone: (301) 253-5439 Work: 279-7737

Honorary club membership was presented to astronaut/ham Ron Parise - WA4SIR following a recent club meeting where Ron described the space shuttle mission he is expecting to take soon. The photo shows MARC membership chairman, Jeff Horlick - KZ3F (L) and club president, Stan Greenfield - NQ4M (R) presenting the membership card to Ron (in the middle).

Photo by KA3KGL



Vienna Wireless Society

25 Years of Public Service

Meetings:	2nd and 4th Fridays of each month, 7:30 p.m. Vienna Community Center, 120 Cherry Street, Vienna, VA
Repeaters:	K4HTA/R 146.085 in/146.685 out 222.340 in/223.940 out, 448.250 in/443.250 out
Nets:	Every Thursday at 7:30 p.m. on 146.085 in and 146.685 out. Pow-Wow Net Every Night at 9:00 p.m. at 28.400 MHz
Information:	Brian Treadwell, WV4V (703) 938-1442 (H), (202) 457-7179 (O)
Training Classes:	Paul Wilkins, AB4CY (703) 560-2779
Mailing Address:	P.O. Box 418, Vienna, VA 22183

Interest and activity remained high during the late Summer months. In September we had a "favorite QSL card" night when members brought in QSL cards with a story. There were a lot of laughs and some old memories. My favorite was a card from the 20-meter brass-pounding driver of an eighteen wheeler rolling West out of Cheyenne. No lonesome miles for that OM. The second meeting was an interesting presentation on low orbiting satellite hamming by John - W2AAW. His obvious enthusiasm was infectious and more than a few members tuned in the 10-meter down link robot as a result. It was surprising that so few hams are aware of the possibilities of these low orbiter.

Stu Meyer visited us in early October and talked up issues for upcoming frequency conferences and the commercial pressures for spectrum space. He also brought out that the unprofessional behavior of a few hams in their frequency use disputes was reflecting very poorly upon all of us and would probably be used against us as good examples of irresponsible use of our frequency allocations.

In late October, Mike Feher - N4FS brought in about 20 pieces of refurbished antique radio gear, including a 1901 crystal set in an oak case. It was an interesting evening listening to Mike, and being able to take a close look at some classic gear. He even brought a mint condition ARC-5 which didn't have any holes drilled in it or circuit modifications

to improve it or even a ham applied coat of paint.

Club members participated in several Fall public service events. There was the Vienna Council of Churches Crop Walk, a 10K through-town walk to raise funds to combat hunger. There was the Vienna centennial Halloween parade that had 83 entries and hordes of kids, and then there was a annual Halloween night "Spook Watch" when members patrol sections of the town to keep an eye on safety and potential trouble. Net control was at the police station.

The Fall Novice class has eleven candidates and nine are building a small 40-meter receiver kit as a part of the course. Mac - KC4IGS pitched in for some fine points on soldering. The hands-on aspect seems to have increased the interest and commitment.

Mark - N4TPY, has revived interest in fox-hunt hardware and is going to be the fox on Sunday, November 11 for a club exercise in direction finding. This will follow an early November meeting to be devoted to antenna designs and techniques used in direction finding.

One of our long time members, Ken Anderson - W4JQT has QSY'd to the Florida West coast. We hated to see him go, but wish him all the best. Ken was a club member to be proud of.

Paul - AB4CY

Metropolitan Communications Network

Representing Six Meters in the Greater National Capital Area

Meetings: Quarterly, on the second Sunday of the month.
Time and place to be announced.
Repeater: N3AGB/R, 52.250 MHz in; 53.250 MHz out.
On-the-air: Saturdays at 1900 hours.
Mailing: Bob Sporn - WA3GGO, 9927 Cottrell Tr, Silver Spring, MD 20903
Information: Bob Sporn - WA3GGO (301) 434-1719

Our fourth quarterly meeting will be held at the home QTH of Dick Logan - WB3EPX on Sunday, December 9th at 1400 Hours. Our notice of this meeting will include a list of the candidates for office for the year 1991 and provision for mailing in an absentee ballot, for those unable to attend. Additional nominations will be accepted from the floor at the December meeting, prior to election.

Thanks to Bron Kidwell - N3AGB, W3GGO's 22-year-old, 4-element, six-meter beam was taken down, parts replaced, oiled, sprayed, and not only remounted, but Bron even placed a 2-meter antenna on top of it!

Some of you may have experienced difficulty in reaching David Wharton - K3TSM recently. David, a former member of our club, and a member of "Chaverim," is very active in ham radio and, when we spoke to him a few days ago, had already logged 44 phone patches from the Persian Gulf, mostly from the Hospital Ship *Comfort*. David said most of the calls were destined for the 301 Area Code.

THE SUNDAY MORNING COFFEE NET (50.4 MHz) AM AT 0900 HOURS LOCAL

Thanks to Bron's rejuvenating WA3GGO's 6-meter beam, we have been able to reach all the check-ins without the harrowing experience of resorting to relays, and our Net has been functioning considerably better than before. On Tuesday, December 25th, at 1000 hours, we will have our ANNUAL XMAS NET. It is a pleasant surprise how many check-ins we receive each year, from stations we never knew had six meter capabilities!

MARYLAND FREESTATE SIX METER SIDEBAND NET (50.125 MHz) SUNDAYS AT 1900 HOURS LOCAL. Chris Kushay - KA3LJR has been doing a terrific job as Net Control. Thanks to Bron's taking our Swan 250 6-meter sideband rig home for repairs, we will be rejoining the Sideband Net.

To all our friends, the Season's Greetings, and please join us December 25th at 10:00 a.m. for the Annual Xmas Net.

Bob - WA3GGO

Amazing Trivia

By NN3V

The pictures of space, broadcast by the Voyager spacecraft, now outside the solar system, are transmitted at a power level of 22 watts. The signals are traveling 4½ billion kilometers through space to reach Earth. At a transmission rate of 9600 bits per second, each bit of transmitted signal is about 152 miles from its nearest bit.

The energy received at Earth by one radio telescope antenna is detectable at one millionth of one billionth of one watt. This power level is about one twenty billionth the energy of a small, digital, LCD wrist watch. (Stolen from *SMARC SPARKS* 11/90)

Arlington Amateur Radio Club

Meetings: Third Tuesday of each month at 7:30 p.m.
Arlington Red Cross Chapter House, 4333 Arlington Blvd. (Rte. 50)
Net: Tuesdays (except meeting nights) at 7:30 p.m. on 144.87/145.47 MHz FM
Info: Craig Church, N4EFJ (703) 979-8325

October Meeting

At its October 16 meeting, the Arlington Amateur Radio Club made final plans for the erection of the W4WVP antenna tower and prepared to participate in the 1990 ARRL Sweepstakes. Craig - N4EFJ reported that most of the remaining red tape had been cleared and that the project had received the blessing of the Red Cross. Although the Arlington Chapter of the American Red Cross may require a commercial firm to construct the tower, members of the club will be needed to assist in digging the hole and pouring concrete for the footing.

Frank - WB8OFR encouraged all members to participate in the 1990 Sweepstakes contest. Frank distributed logs and other materials necessary for submitting an entry to the ARRL. He then reminded the membership that the "OFR Challenge" (see November Auto-Call) was still open to all members of the Arlington ARC. Any member who submits to the ARRL a log with at least 10 contacts, offering the score in support of the Arlington ARC, was promised free pizza and beer at a date to be established. Moreover, the top scorer in each weekend of the contest was offered a free dinner at any restaurant in the DC area. Frank wished everyone good luck in the contest.

Next Meeting

The next meeting will be Tuesday, November 20, at 7:30 p.m. The featured speaker, Tom Clark - W3IWI, will explain very-long baseline interferometry (VLBI: a way of networking radiotelescopes to improve their "vision") and some of its down-to-Earth applications: measurement of tectonic plate drift and earthquake prediction. OSCAR buffs know W3IWI as the developer of the original BASIC software for predicting OSCAR passes. Come early (7 p.m.) for fellowship and refreshments.

Towering Appeal

Club President Craig - N4EFJ notes that the tower and rotator have been ordered and should be in stock soon. However, acquiring them required deficit spending, and the club is now \$500 short. Craig urgently solicits contributions to reduce the deficit.

Jamboree On-the-Air 1990

NW3V/M visited McLean, VA, on Oct. 20 and 21 to bring Jamboree On-the-Air 1990 to Boy Scout Troop 652. Three Scouts and two Scouters (adult leaders) turned out at 0800 local each day. Mike - NW3V chose the time to optimize 10-meter propagation to Europe - and it worked. On Saturday, after raising no JOTA stations at first, Mike demonstrated DXing by working Joe - YU7ADY. Mike then raised Pat - DA2OL, who had two Scouts from Troop 25 in his shack in southwest Germany. Scout Eric Tignor, who visited W4WVP for JOTA 1989, got a turn at the mike, but copy was marginal and fading. Conditions were better for the QSO with Horst - DL1QH in Bielefeld, Germany. On Sunday, Mike barely heard - but couldn't work - weak DX on the JOTA SSB calling frequency, so he called CQ on the CW calling frequency. What was that down in the noise? A KA1? Short skip to New England? No, it turned out to be Ben - KA1CP/4 in Alexandria, who furnished an excellent demo of how CW seems to work when nothing else does!

For drumming up interest, a special thanks to club members Jim - KM4XG, who talked to the scouts over Mike's HT on Wednesday, Oct. 11, and Gerry - N3EVT, who operated W3USS the same night to demo 10-meter commo and relay Mike's transmissions to Rich - KB7ONS in Scottsdale, AZ.

Frank - WB8OFR and Mike - NW3V

Pentagon Amateur Radio Club

Meetings Monthly, on the second Wednesday of the month. Noon.
PARC clubroom (5B272), The Pentagon
Repeater: K4AF/R, 444.55 MHz. CTCSS 88.5 sometimes in effect.
Packet: 145.07 Digi - K4AF, Mailbox - PARC, Node - PNTAGN
Mailing: P.O. Box 47063, Washington, DC 20050
Information: David G. Boyd - K9MX (703) 695-2020 or (703) 659-6241 or
William Klein - N4VBW (703) 697-8157 or (703) 590-2546

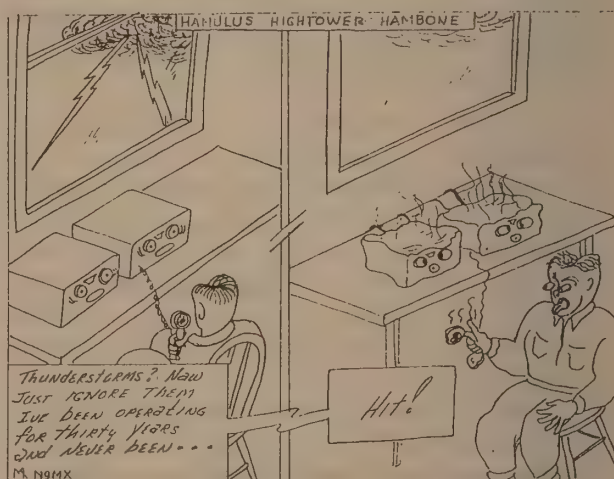
Desert Shield continues to take a toll on noon-hour attendance in the club, but a few still manage to drop by from time to time. MARS support has picked up greatly now that the Saudi government has authorized MARS operation. Traffic totals are running well over a thousand messages a day - not counting phone patches - so the MARS circuits are all humming. Packet gear has been shipped to Saudi Arabia and will be soon pressed into service to support MARS operation.

The Yaesu FT-1000 remains the most popular piece of equipment in the shack, especially since it allows dual receive. Ops who come up to run MARS traffic can listen to DX with one ear and the MARS net with the other when things are slow on the MARS nets.

Kantronics' 3.0 upgrade has been installed in the KAM in the club shack, and NH6E - demonstrating his great technical prowess - has also installed it in his KAM at home. He encountered some trouble

initially in getting the new upgrade back on the air, but after a few days of tireless diagnostic work, he reconnected the speaker output to the KAM and everything began to work as designed!

Spike, K9MX



Foundation Meetings

The Foundation for Amateur Radio meets at 8:00 p.m. on the second Wednesday of each month.

Meetings alternate between Maryland and Virginia:

In even numbered months, meetings are held in Takoma Park, Maryland

In odd numbered months, meetings are held in Alexandria, Virginia

Visitors are always welcome

Membership is open to any Amateur Radio organization in the local area.

Phone (301) 725-5822 for information

The next meeting will be on December 12 in Takoma Park, Maryland
Columbia Union College Science Building Auditorium, Flower Avenue
Talk-in on 147.18

Woodbridge Wireless, Inc

Meetings: 3rd Tuesday of each month, at 7:30 p.m.
Tall Oaks Community Center, Lake Ridge.
Intersection of Hedges Run Drive and Cotton Mill Drive.

Repeater: WB4FQR/R 147.84/24 and 449.9/444.9
WB4GJZ/R 223.18/78

Nets: Mondays, 8:00 p.m. local (0100 UTC) 147.84/24, 223.18/224/78
(the repeaters are linked for the net.)
Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz
Saturdays at 9:00 p.m. - in new 10 Meter Novice band 28.460 MHz SSB

Mailing Address: P.O. Box 112, Woodbridge, VA 22194

The October meeting of the WWI saw the annual election of WWI officers (election term is from October to October) for 1990/1991. Congratulations to the winners. The officers are:

President: Bob Lindley - KM4UI
Vice-Pres: Dale Carlsen - WA2IKI
Secretary: John Kendra - N4LJS
Treasurer: Larry Bates - K0LB
Activities: Joe Robichaud - W4ADM

The Board of Directors: Loyd Davis - K8EI, John Hoffman - WD4GJZ,
and Stu Mitchell - WA0DYJ.

Trustee: Phil Poole - WB4FQR.

Dennis - WD4KXB is WWI's new Emergency Coordinator. Jack - WD4KOF, our previous coordinator, did a great job. Thanks Jack.

The Christmas season is just about upon us and the executive board is making final arrangements for the WWI party. The announcement of the time and place will be made at the November meeting. Prime candidates are the Black Forest Inn and the new meeting room at the Sea & Sea in Occoquan.

Once again, WWI provided communications for the Head of the Occoquan Crew Races. This head race draws participants from up and down the Eastern seaboard. Those amateurs participating were: WB4EIY, K8EI, AA4SI, KC4RGD, KC4RFW, KU7V and W4ADM. It was an absolutely lovely day, warm with smooth water and the races went like clockwork. One safety boat had one person to recover and take to the dock and that was not really an emergency. The race was on Saturday, 3 November. Hams were on duty from about 0830 to 1545.

In other public service work, WWI will support the Lakeridge Turkey Trot race and the Boy Scouts for Food drive. Joe Robichaud - W4ADM is coordinating volunteers.

That's it for this month. 'Hope all you voted because you're going to have to live with the results.

Jim Neff - WJ4M

Leaky ADO

A "false" distress call that was picked up and triangulated by the Sarsat/Cospac search and rescue satellite was traced to a "leaky ADO." The Ampex Digital Optics Unit (ADO) is a special effects device used by television stations to move graphics around the screen. It is not supposed to summon help from a search and rescue satellite, but that's exactly what happened when such a unit at a television station in Secaucus, New Jersey went awry.

(From Westlink Report de/KA0KSI)

New Carrollton Amateur Radio Society

Meetings: 4th Friday of each month, 7:30 p.m.,
New Carrollton Municipal Center
6016 Princess Garden Parkway, New Carrollton, MD 20784
Mailing Address: 6016 Princess Garden Parkway, New Carrollton, MD 20784
Information: Phil Russo - N3GDD (301) 552-2918

At the September meeting new officers were elected: President Bob Shaffer - NC3J, Vice-President Dan Zagone - KA3CSF, back for a second term as treasurer is Ed Mumford - KA3QDI, and our new secretary Darrell Dehaven - N3IBO.

The club has been active during the last 6 months starting with the building of the New Carrollton Community Playground. The event included keeping track of the architects from N.Y. and some 400 volunteers on the 9600 square foot project. Not a bad showing for a small club like ours. Thanks to KA3CSF, N3IBO, NC3J, N3HFG, KA3QDI, K8RYA and N3GDD for coming out and getting involved in our community.

With a few months off for good behavior, we took on the New Carrollton Men's Club annual Corn Boil- a city wide event open to any organization in town to participate and get some good P.R. We struck again, providing communications for emergency traffic at Beckett field that Saturday. Again with a small but eager crew.

We also set up an HF station and a 2-meter station and did some DXing for the locals. There were South American and European stations all over the place with just a long wire, it was great. Thanks to most of the club members for lending a hand- NC3J, KA3CFS, N3IBO, N3HFG, KA3QDI, K8RYA, N3GDD, and WB3FGP. We also got to sell the popcorn at the Corn Boil to earn some money for our repeater which has been on the builders channel for a while now. It will be known as the N3EZD/R New Carrollton repeater.

A long time in the coming is a special thanks from all of us in the club to N3EZD for building the repeater for us, and teaching us what makes it tick. And congrats to N3IBO, the recipient of our first antenna party, he's now on HF. Go get 'em Darrell.

At the October meetings we will have two speakers from the Explorer command of the Boy Scouts, the topic will be potential sponsorship of an Explorer post.

The popcorn maker - N3GDD

The FCC Plays Rough!

According to an article in a swap paper, "US marshals and engineers from the FCC's Kansas City office have seized 31 pieces of illegal Citizen's Band radio operators." (Now that is playing *rough*!!)



Q: Do you know what comes after two days of rain in the Washington area?

A: Monday! (From ARNS Bulletin 10/90)

Mt. Vernon Amateur Radio Club (MVARC)

Meetings: Second Thursday of Each Month, 7:30 p.m.
Repeater: Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria
Nets: WD4PDP/R 146.055 input 146.655 output
Every Tuesday at 8:00 pm (0100 UTC Wednesday's)
Starts on 2-meter then moves to 10-meter on 28.405
Information: Chris Morrow, W4WYL (703)765-5964
Training Classes: John Forrest, WZ4A (703) 971-3905
Mailing Address: c/o Chris Morrow, W4WYL, 7408 Recard Ln., Alexandria, VA 22307
December Meeting: Christmas Party

MVARC THANKS to Bob - N4SCK, Fred - KM4JS, Bob - VE7XE and Geri - N4GHI for providing our October program. Bob - N4SCK talked about the emergency service and the need for us to be involved with public service to help keep our frequencies; Fred - KN4JS brought a four element 2-meter cubical quad constructed from inexpensive materials; and Bob - VE7XE and Geri - N4GHI brought and discussed their mobile rigs. There was something for everyone!

We WELCOME two new club members - Karl Gebhard - N3CCB and Rick Sanford - KC4PYS. We are very pleased you have joined our club. Also WELCOME to Aaron Claxton (Jim's son) and Jim Reed - KV3Y. Aaron has visited us more than once..... maybe we have a ham-in-the-making!

John WZ4A reported that the fall class is moving along nicely. He expects to start another class, probably General/Advanced/Extra in January. Anybody interested in attending, contact John at (703) 971-3905 or at any meeting.

MVARC was out in force at the West Potomac High School Fall Fest on 10/27. The weather was cool, clear and sunny. We had a Drake TR-4 feeding dipoles on 20m and 40m; there was a Kenwood 440 and several homemade rigs. 22 people signed our Guest Register but we had many more visitors than that. Steve KB4WKK was the prime mover to be THANKED on this even. Most of these club folks were out there from 9 a.m. until 2 p.m.: Steve - KB4WKK, Steve - WB4EEA, Dave - N4YPR, Luis - KC4NUE, John - KI4HK, Doug - WA3WEP, Kreiger - N4HAM, Ron - WA3YYJ, Tom - N4BV, Fred - KN4JS, Dick - AB4JX, Marci - KM4VM, Jim -

WD4PDP, Bob - VE7XE/W4 and David - WA1LBP. Thanks to everyone. SPECIAL THANKS are due to those who worked stations with CW - lots of people were drawn to the table by the sound of the code. SPECIAL THANKS too to Kreiger for bringing his mobile rig in his van.

MVARC was also well represented at the Marine Corps Marathon on 11/4. It was another glorious day (though a little warm for running 26+ miles). THANKS to Steve - WB4EEA and Bob - N4SCK for their efforts to get help. Some of these club folks turned out on short notice: Bob - N4SCK, Steve - WB4EEA, Geri - N4GHI, John - N6ANQ, Mary - N4TCI, Dave - N4YPR, Dave - KE4TZ, Rick - KF4LM, Tom - N4BV, Kreiger - N4HAM, Mike - KE4ER, John - KI4HK, Frank - N4GUS, Doug - WA3WEP, and Bob - VE7XE.

December's meeting is THE ANNUAL CHRISTMAS PARTY (on the 13th). I've been looking forward to this since the last one...see you there!

Marci, KM4VM

SERVICE

While U Wait

commodore

64/128/1541/1571 AMIGA 500

Authorized Service Center • In & Out Warranty

10% discount on repair with this ad,

13646 Jeff Davis Hwy.
Woodbridge, VA 22191
491.6502 643.1170
MWF 12-8 TT 10-5 Sat 10-4

Virginia
Micro
Systems

Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Meetings:	4th Wednesday of each month (except November & December) 8:00 p.m. at Capitol College on Springfield Road, Laurel. Christmas Banquet on December 7, Brass Duck Restaurant
Social:	2nd Wednesday of each month except December. (Call for directions.)
Nets:	1st & 3rd & 5th Wednesday of each month, 8:30 p.m. on 147.54 simplex.
Mail:	P.O. Box 3039, Laurel, MD 20709-0039
Exams:	4th Saturday of each month, 10:00 a.m. at Maryland Radio Center.
Information:	John - W3GFS (301) 490-5286 or Pud - W3DQI (301) 498-6293

We just completed our last business meeting of 1990 on October 24th, with only the Christmas banquet remaining to round out the year. At the October meeting, LARC elected its new officers for next year. We wish to extend our congratulations and appreciation to:

President: Bill Bowden, KD3EC
Vice Pres: John Albertine, W3GFS
Secretary: Mary Ellen May, N3FQA
Treasurer: Cathy Downs, KA3QPU
Member-at-Large: Joe Seaseley, KA3UZI

George - WD3W (ex N3GPR) presented an excellent program on traffic handling at the October meeting.

Congratulations to George - WD3W for recently being elected manager of the Maryland Emergency Phone Net and for having a birthday without letting it show (too much). Also, congratulations to Donna - N3HYF for passing her general and to Cathy - KA3QPU for passing element 3B.

Planning is well under way for the annual Christmas dinner. This year it will be held on December 7th at the Brass Duck Restaurant. Reservations and a check for \$20 per person should be sent to Cathy Downs - KA3QPU at 254 Chelmsford Court, Sterling, VA 22170. The banquet room only seats 50, so get your reservation in early!

If you live in our general area and are interested in joining an active club, give Pud or John a call for information. We can usually be found on 147.54 in the evenings.

Pud - W3DQI

Monthly Examination Sessions

The Laurel Amateur Radio Club, Inc. (LARC) provides monthly Amateur examination sessions at the Maryland Radio Center (MRC) in Laurel, Maryland. Conducted under the auspices of the LARC-3 VEC, examinations for all license classes are given. No fee is charged.

Preregistration is desired (but not required). Call (301) 572-5124 after 6:00 p.m. Walk-ins are welcome, but seating capacity is limited and those pre-registered will receive priority consideration.

Maryland Radio Center is located at 8576 Laureldale Drive, Laurel, MD 20707
(301) 725-1212

Examinations will be held on the **third** Saturday of each month, except December. (This is a date change from prior years.) Code tests begin promptly at 10:00 a.m. Theory follows at 11:00 a.m. Form 610s are available at the Maryland Radio Center.

"Ole Virginia Hams" Amateur Radio Club

Meetings: Third Monday of each month, 8:00 p.m.
Northern Virginia Coop Building
10323 Lomond Drive, Manassas, Virginia

Repeaters: Voice: WA4FPM 146.97 and 224.66
Digipeater WA4FPM-1 145.09
Digipeater WA4FPM-3 223.40

Net: Each Thursday, 8:00 p.m., 146.97 and 224.66

Information: Harry Vorhauer - W4PVA 703-368-6050
Steve Frick - N4OGR 703-361-0008 or Metro 690-6547

Mail Address: Ole Virginia Hams ARC, PO Box 1255, Manassas, VA 22110

Joe Gibbs's YOUTH FOR TOMORROW

On Saturday, October 13th, the Ole Virginia Hams ARC, supported by members of the recently formed Eastern Panhandle ARC (West Virginia) and an operator from Sterling, Virginia supplied communications for the YOUTH FOR TOMORROW CENTER's Fifth annual Country Fair and Auction.

Fortunately, there were no injuries requiring our communication facilities. However, there were a number of parents and children separated. All of these were reunited through amateur radio activities.

The YOUTH FOR TOMORROW CENTER was founded by Joe Gibbs (coach of the Washington Redskins professional football team). It is for young men whose lives were once trapped in substance abuse, family difficulties and homelessness, a very worthy enterprise.

Hams that participated included: KC4ATW, KB2CEV, KB8HAR, N3HIG, KB8IDL, KC4IRL, N8MWB, N4OGR, W4PVA, N4QPB, AB4QV, N4SCK, N4YOB, and N4REI.

Activities ran from about 8am to 5pm and are termed a success.

BICYCLE TOUR

On Sunday, October 14, the Ole Virginia Hams provided communications for the Prince William County (Virginia) Park Authority bicycle tour of Eastern Prince William County, a bike ride of about 26 miles.

The purpose of ham communications was to supply emergency facilities in case of need. Fortunately, the only incidents of note were a flat tire, an individual becoming so tired that pick up by a Park Authority vehicle was necessary and a case where the bicycle chain jumped off (it was easily fixed).

Ham communicators were K4FHK, KC4IRL, WB2CEV, N4VZT and W4PVA.

A very interesting event successfully completed.

Harry - W4PVA

Stafford Area Repeater Association

Meetings: Weekly, 0730 a.m. every Saturday morning. at the
"Nothin Fancy" Cafe on Route 1. All meetings are informal.
Repeater: N4SMP/R 145.27 out 144.67 in. Autopatch for members.
Mailing: c/o George Gautney - N4SMP, 9 Skyview Ct., Stafford, VA 22554-5232
Information: Dick Kirby - W4GFB (703) 720-0406 or
George Gautney - N4SMP (703) 659-5720
Packet: 145.07, W4GFB-2

Our September test session was the most successful yet. Every participant passed something and took home a CSCE. When all the dust settled, fully 90% had upgraded! John, KC4SYX and Valeria, KC4SYY (the Wilkins) are both new Technicians and have already been active on the repeater. Ellis Jenkins, KB4RVM and James T. McKenzie, KC4RXD, are now generals. Blair Ackerbauer, KC4OMV, and Carroll Blake, N4YMJ are both Advanced Class ops, and Gerald Gantt, WA4MKL, is a new Extra and will shortly be certified as a new member of the examining team.

N6CFR deserves kudos for his great support of our boys in Saudi Arabia. In less than one month, he has handled over 500 phone patches from ships in the Persian Gulf. K4ZSD, our resident oenophile, has just been awarded silver and bronze awards at the Virginia Governor's Cup Awards Banquet for his great wines.

Jerry Mullinix, KC4OUN, now has Amateur Radio club meetings supporting

two schools - Rockhill Elementary and the A.G. Wright Middle School. He needs help, though, from hams willing to participate in one or more sessions to provide some instruction or to demonstrate different facets of the hobby. If you can spare an hour, contact Jerry at Rockhill Elementary (703) 659-9418. The sessions - and it will help even if you can only make one session - run from 1530 to 1630 and your class/demonstration will only have to run 20 or 30 minutes.

On the 20th of October, SARA hosted Cub Scouts from South Stafford's Den 5, Pack 213, at the station of AA4PB, during the Annual Boy Scout Jamboree on the Air (JOTA). The scouts worked a number of DX stations on 10 meter SSB, including Fred (KB4EUZ) and Linda - from the Woodbridge club - who are now stationed at Stuttgart, Germany.

And, finally, backup power is now on line at the Stafford Repeater.

Spike, K9MX

Address Changes

Bad addresses continue to be a problem - and a considerable expense - to Auto-Call. Third class mail will not be forwarded by the Post Office so, if we don't have a good, up-to-date address for you on our mailing list, we have to pay the Post Office a 30¢ handling fee to get a forwarding address - if they have it. If they don't have a good address either, it still costs us 30¢ to find that out!

If you are moving, or if your mailing address is being changed even for a brief vacation period, please let us know well in advance. If you are one of the Snow Birds who go South for the winter and North for the summer, be sure to keep us advised. We'll be glad to make the temporary changes. We want you to get your Auto-Call but we can't afford first class postage to replace rejected mailings.

Please keep Auto-Call advised of address changes.



Prince George's Wireless Association

Meetings: First working Tuesday of each month at 7:30 p.m., American Red Cross Service Building, 6206 Belcrest Road, Hyattsville, MD.
Club Station: K3CEZ
Mailing: 4109 Kennedy Street, Hyattsville, MD 20781
Information: Frank Holton, WA3ZMW (301) 927-1245

For three weeks prior to the October SET, PGWA purchased a new state-of-the-art 2-meter base station, checked out the HTs and HF transceiver, installed a G5RV antenna, temporarily installed a UHF antenna with related Packet Radio equipment (courtesy of Dave Black - WB3KXL) and placed into operation a Red Cross auxiliary AC generator. These efforts were led by Technical Committee Chairman Charles Church - KA3COT. WA3ZMW, N3HLY, N3IEX, WB3KXL and W3SWD assisted Charles.

Bill - N3IEX and Dan - W3SWD became members of PG County ARES. Frank - WA3ZMW and Dan - W3SWD are members of the Maryland Emergency Phone Net. Membership in the above

organizations enhances PGWA's ability to provide emergency communications assistance during disasters.

The SET was a success. PGWA operated a 2-meter station to conduct a local American Red Cross scenario, and another position for communications with PG County ARES. Also, PGWA (K3CEZ) was operated as a control station during two 2-hour sessions of the MEPN. Club members who participated in the SET were: Tung - KA3VQC, Jim - KA3GKR, Kenny - N3HLY, Ted - W3EOV, Lou - W3IHL, Les - WA3NGF, Charles - KA3COT, and Dan - W3SWD. Dave - KB3KXL, ARES member, operated the Packet Radio system.

Hersh "Dan" Miller - W3SWD

Fauquier Amateur Radio Club

Meetings: Second Tuesday of each month, 7:30 p.m.
Shadow Lawn Center, Warrenton, Virginia
Repeaters: 147.165 Voice, 145.090 Packet
Net: Each Wednesday, 9:00 p.m., 147.165
Information: Bob Taylor, KC4CVG. (703) 439-2786 (H)
(703) 642-6070 (Work)
Mail Address: Route 1, Box 445, Amissville, Virginia 22002

Larry Walker - K4LLQ gave an interesting presentation on the operation and current status of the Fauquier Amateur Radio Club W4SQQ Memorial Station packet bulletin board at the October meeting. The bulletin board operates on 145.09 MHz with the callsign of N4YXW-1.

Ed - K3KA and Bryan - N4UEZ Kubert provided a briefing on the Boy Scout JOTA activity that was scheduled to be held at Fairfield Farm in Fauquier County the weekend of 20-21 October. The Kuberts, along with several club members, operated portable HF and UHF radio stations at the District Scout Camporee on the designated JOTA operating frequencies over the weekend.

The FARC will hold its annual Christmas dinner on the 14th of December.

Department of State Amateur Radio Club

- Meetings: First working Monday of each month at 1200 Noon.
Main State Department Bldg, Room 3524, Washington, DC
- Repeater: W3DOS/R 145.19 MHz (open rpt), Round Table, Thursdays 2030L
W3DOS/R located at 23rd & D Sts. N.W. Washington, D.C.
DOSARC encourages repeater use for public service events in
Washington area (e.g., Mall) and for general usage.
-

The Department of State ARC repeater W3DOS/R was used for public service communications during the Marine Corps Marathon on Sunday, November 4th.

In this connection, we call attention to our Club Station repeater W3DOS/R on 145.19 MHz, an open downtown repeater. Since its antenna is located on top of the main Department of State building near 23rd and D Streets, N.W. Washington, D.C., our repeater is readily accessed throughout the downtown Washington area and, in particular, from the Mall and Arlington areas where events of local and national interest take place and for which hams provide communication. We encourage the use of our repeater by the Amateur community for such public service events.

Dave - AA4IC

Shenandoah Valley Amateur Radio Club

- Meetings: First and third Fridays of each month at the SVARC clubhouse
on Grace Street in Winchester, VA.
- Repeater: 146.22 in 146.82 out
- Mailing Address: P.O. Box 139, Winchester, VA 22601
- Information: Mike Collins - W4ACC (703) 869-2191
-

The 1991 officers for Shenandoah Valley Amateur Radio Club have been elected.

- President: Walter Johnson - WA4HVV
Vice Pres: Paul Blaker - NI3T
Secretary: Mike Collins - W4ACC
Treasurer: Clifford Kitts - KD4TZ
Trustee: Ben Dutton - N4OEF
Trustee: Jack Weaver - WB4SXJ
Trustee: Guy Black - W4PSJ

Our training director, Guy Black - W4PSJ, is in his last week of a Novice training class. We expect to have some new hams as a result of his class. Guy used one of his computers to aid him in his code instruction.

The club family picnic was well attended, the food was great, the fellowship was great. What more could you ask for?

There are several projects to upgrade the club property. The radio operating room is to get a facelift with a new desk, new lighting, and carpet. Charlie - K4LWG reports that the siding will be installed on the wooden part of the buildings soon. I know this will upset those that look forward to painting the wood each year. Mike - W4ACC and the FM committee will erect a new tower for the repeater, hopefully before bad weather.

Walt - WA4HVV

Southern Maryland Amateur Radio Club

Meetings: 2nd Friday of each month at 7:30 p.m.
Church of the Nativity, 5203 Manchester Drive, Temple Hills, Maryland.
Nets: Tuesdays at 8:00 p.m. on 147.75/15 Repeater
Thursdays at 8:00 p.m. on 28.447 USB
Packet: WA3TAI full service PBBS in Ackokeek, MD 145.03 & 446.075
SMD (WA3TAI-5) NET/ROM Node in Ackokeek, MD
Repeater: W3PT/R 147.75/15, Cheltenham, MD. Autopatch to 911
Mailing: P.O. Box 273, Cheltenham, MD 20623
Information: Vic & Linda Curtis, WA3YUV & KA3VNI (301) 888-1388

RADIO HISTORY ON COBB ISLAND.

The big news from SMARC this month again is our operation commemorating the 90th anniversary of the world's first radiotelephone transmissions which took place on Cobb Island in December 1900. We met with the present owners of the house in which the experimenters lived and built their equipment 90 years ago, and we will be operating out of this same house. Look for KF3T on 1 and 2 December on or around 28.400, 21.400, 14.300, 7.250 and 3.950. A color QSL or certificate (whichever we can get the best deal on) will be available for an SASE from KF3T or N4ITE.

KA3VNE reports that 80 area hams volunteered their time and efforts to provide communications for the Marine Corps Marathon on November 4th. Despite technical problems on one repeater and "social" problems on a back-up machine, the event was run off in fine fashion. The hams reported at 6:00

a.m. with most of them staying on the air until 6:00 p.m. Many thanks and congratulations to all who participated for a job well done. Don mentions that now is the time to start preparing for next year's marathon, which will be the first Sunday in November. Tentative plans already call for adding ATV coverage and the use of packet, UHF and microwaves to provide better service.

Congratulations are in order for KA3VND on passing his Amateur Extra exam the first weekend in November. Ray is the second member of last fall's Novice class to reach Extra class, and has KA3's VNB, VNE and VNO close behind. SMARC members have been keeping the FCC busy issuing new licenses.

The SMARC Christmas dinner will be at Stoney's restaurant in Clinton on December 15th. We plan to start a Tech/General upgrade class shortly after the Christmas holidays.

KO7V

Ham of the Month Nominations

Send your nominations for *Ham of the Month* any time throughout the year. If more than one nomination is received in any one month, three Foundation Trustees will serve on a committee to select the one to be recognized that month. Additional nominations will be held for consideration in future months. Take advantage of this opportunity to recognize the contributions of the people who do so much for your club and for the Amateur Radio Service. For more information, call Tony Young, WA3YLO.

Anne Arundel Radio Club

- Meetings:** 1st and 3rd Thursdays at 8:00 p.m.
Davidsonville Family Recreation Center, Queen Anne Bridge &
Wayson Roads off MD Rt. 214 near Annapolis.
- On-the-air:** Thursdays when there is no club meeting. 2030 Local on 147.705/105
Tuesdays at 2030 local time on 28.410.
The Chesapeake Bay Weather & Traffic Net on 147.705/105
at 1100 and 1500 every weekend day and public holiday
from April 1 to November 15.
Maryland Slow Net (MSN) every evening at 1930 on 3.7170 MHz
W3VPR Packet Bulletin Board on 145.09 MHz.
W3VPR Packet Bulletin Board on 223.40 MHz
- Address:** P.O. Box 308, Davidsonville, MD 21035
- Information:** Margaret (Holly) Bevan - N3BMB (301) 923-0229
-

At the October 18th club meeting, William P. Lasner, former Maryland State Air Force Director, presented an interesting and informative program on MARS (Military Affiliate Radio System). MARS groups are now training persons to help with keeping troops assigned to Operation Desert Shield in touch with their families.

Anyone interested in receiving MARS training can contact any of the nearby military installations. The System is operated as three similar (but separate) programs involving Air Force MARS, Army MARS and Navy-Marine Corps MARS.

Over thirty Club members (and an XYL and an OM) turned out to help provide communications, including the PA system, for the annual Chesapeake Appreciation Days on the last weekend in October. Many of the members worked both Saturday and Sunday and a few put in a third day to help get all the speakers, wires, etc., in place on Friday before the event.

Chesapeake Appreciation Days, for those who don't know, is a 2-day land, sea and air festival held the last weekend in October each year to celebrate the Bay and its watermen. Skipjack races are the center of the activities, but there are exhibits by various organizations, contests and plenty of Maryland seafood. AARC had a display tent which accepted about 125 messages from the Public to be sent by members of the Maryland Slow Net to persons all across the country.

On October 13th, VEC tests were given at the AARC clubhouse by Dean Alley - NS3V and five other Club members. Fifteen persons took thirty-one tests. Nineteen exams were passed, with eight upgrades. Tests are now given at the site on the 2nd Saturday of each month.

Upgrades to report: Rick Battle - KB3NG and Gordon Davids - N3IJJ to Extra, Carole Connolly - KA3WTP to General, and Joe Selby - KA3WTV to Technician.

Holly - N3BMB

Professionals built the Titanic

Amateurs built the Arc

Rick Light - 1988
Via Pete Portmann - W3RGX

M A D R A S

The Maryland Apple Dumpling Radio Amateur Society Inc.

Meetings: 2nd and 4th Tuesday of the Month - 7:00 p.m.
At the NBC Building, 4001 Nebraska Avenue, N.W.
Repeater: 444.10/449.10 MHz 145.45/144.85 MHz
BBS: (301) 258-1954
Mailing: P.O. Box 2468, Wheaton, MD 20902
Information: Scott Standiford, W3YTW (301) 589-9321 or BBS
Larry Zeicheck, N3GKZ (301) 984-6112
Next Meeting: December 11

Schedule of Events

December 11 Meeting 7:00 p.m. at NBC, 4001 Nebraska Avenue.
All are welcome.

December 27 Dinner Club get-together at Marrakesh Restaurant,
617 New York Avenue, NW. For details and
to make reservations, call Larry at
(301) 984-6112

Congratulations to our newest member, Hanie Raad, on passing his Novice test. Hanie goes for his Technician in a few days.

The club station was on the air for the ARRL Sweepstakes contest. We now have a beam, a vertical and a multi-band dipole. The club is also planning an antenna for 160 meters. I would expect to see it up in December. For details on hours the station is open, contact Larry at (301) 984-6112.

If you wish to attend code practice sessions, call Scott at (301) 589-9321.

Scott - W3YTW



G AND G ELECTRONICS
OF MARYLAND

8524 DAKOTA DRIVE, GAITHERSBURG, MD.
Zip 20877

WANTED
FOR
CASH!

USED Ham Gear, Test Equip.
and Junque Boxes

G&G ELECTRONICS OF MARYLAND
JEFFREY GOLDMAN

8524 DAKOTA DRIVE (301) 258-7373
GAITHERSBURG, MD 20877

548

March 1 19 87

65-7198/2550

PAY TO THE
ORDER OF

John Q. Amateur, WA4XYZ

\$ 500.00

Five Hundred and 00/100

DOLLARS



CHEVY CHASE SAVINGS
AND LOAN, INC.
CHEVY CHASE, MARYLAND 20815

FOR Used Equipment

==== SAMPLE =====

⑆25507198⑆

0548

We've got one for you!

HOURS: MON & TUES 11AM TO 9PM
WED 11 TO 5 & BY APPOINTMENT

258-7373

SHACK SALES

Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at a rate of 3¢ per word -- with a \$1 minimum. Commercial vendors and nonsubscriber rate is 17¢ per word - with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Estate sales for Widows Assistance handled by a FAR club will be published without cost. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 5th of the month preceding publication.

WIDOW'S ASSISTANCE

Estate of Dick Lynn, AF4W
TEN-TEC HERCULES Amplifier #444 with
Power Supply #445 \$950
FREQ.CTR. MAX.100 with
Prescaler RF-221 \$100
CAP.MTR. CSC #3001 \$150
"WORDS-PER-MINUTE" Meter \$75
COMPUTER PATCH, AEA CP-100 \$200
KEYBOARD, MICROLOG AKB-1 \$200
All Prices OBO
Bill Miller - K4MM (703) 978-4020,
Fairfax Station, VA 22039 (FAR-11)

COLLECTOR'S DREAM

Complete 74 year Collection of QST
From Issue one
Excellent condition
Minimum offer \$3,000
Phone K6IR (301) 774-7709
16904 George Washington Drive
Rockville, Maryland 20853-1128
(12)

WANTED: HEIL BM5K Boom microphone.
Single headset for Kenwood. Also
1980 U.S. Callbook. Greg - KA3DBG
(301) 946-6460, Rockville, MD. (12)

FOR SALE: CUSHCRAFT 5-element
6-meter beam with 95 feet coax
feedline \$75
LtC Arthur D. Sullivan - K3BQZ
(301) 270-8706, 7237 Garland Ave.,
Takoma Park Maryland 20912 (12)

WANTED: Manual for WW-II Signal
Corps Keyer - TG34A - 914Z - CZJ
115-230 Volt. Original or copy.
Nick Smith - W3FNU (301) 598-9795
Silver Spring, MD (12)

WIDOW'S ASSISTANCE PROGRAM

Estate of Issac Pickell, W3PPQ
* HEATH SB101 Transceiver . . \$100
* HEATH SB200 Amplifier . . . \$100
* HEATH SB610 Monitor Scope . \$75
* HEATH HN31 Cantenna Dummy Load \$20
* HEATH RF Signal Generator . \$15
* EICO 232 VTVM \$ 5
* HAMMARLUND HQ140x Rx Make Offer
Call Mrs. Florence Pickell (301)
933-0539, Silver Spring/Wheaton (11)

FOR SALE: No HF permitted from new
condo. May as well sell:

* Japan Radio Corp (JRC) Model NRD-
515 Super HF Receiver equipped with:

NDH Memory unit
NMC Controller (keypad)
NVA-515 Matching speaker
AM - 6 kHz filter
SSB - 2.4 kHz filter
CW-W - 600 Hz mechanical filter
CW-N - 260 Hz crystal filter

All in A-1 condition - \$1,000 or
best offer.

*Sony AN-1 Active Antenna, complete,
hardly used, and like new . . \$75

*E.F. Johnson Navigator CW trans-
mitter, 40 watt, 160 - 10 meters.
Works OK, looks pretty good . \$75

Call Jim Stoneback - K4AXF (703)
370-9857, Alexandria, VA (12)

FOR SALE: Mint KENWOOD TS-830S,
Manuals, low hours \$695
HEATH SB 230, 1200 watt, 80-10 Meter
Linear Amplifier with Manual . \$275
Both for \$890. Will Deliver in DC
Area. Call Ed Hannum, W4TVB (804)
462-7276, Merry Point, VA 22513 (12)

NORM'S ROTOR SERVICE

Rebuilt Rotors, Parts & Service
Call Norm Jeweler - K3LYW
5263 Agro Drive
Frederick, MD 21701
(301) 874-5885

Need antenna or tower work done?
Call L. Chertok - W3GRF.
(301) 297-4888

SHACK SALES

FOR RENT: House with beam, 10-40 Meter dipole 80 Meter & Isapole 2-Meter. Three bedroom, Living Room, Dining Room, Kitchen, screened porch patio & fish pond. Near Gambrial State Park in Frederick County. N3COP. Phone my agent (301) 663-4442, Salisbury, MD (01)

FOR SALE: Fifty foot windmill tower with Mosley TA33-40K triband beam and 40 meter dipole; HAM-M Rotator. You disassemble. . . . Make Offer George Willingmyre - K3SZZ, (301) 421-1752, Silverspring, MD, (02)

FOR SALE: E-Z Way TOWER, etc. Galvanized, crank-down, tilt-over, self supporting tower, with 60' extension mast. TELEX rotator with selsyn indicators. MOSLEY TA-33, 10-15-20M and Hy-Gain 8-element, 2-Meter beams. RF and control cables included. All for best offer near half what new towers now cost. Telephone W4AVU at (804) 971-9686, Charlottesville, VA. (01)

WANTED: U.S. Amateur Callbooks 1920 thru 1927 plus 1929, 1932, 1933, 1934, 1936, 1939, 1941 & 1945. Call Bob - W4JNN (703) 560-7161 or write Box 166, Annandale, VA 22003 (11)

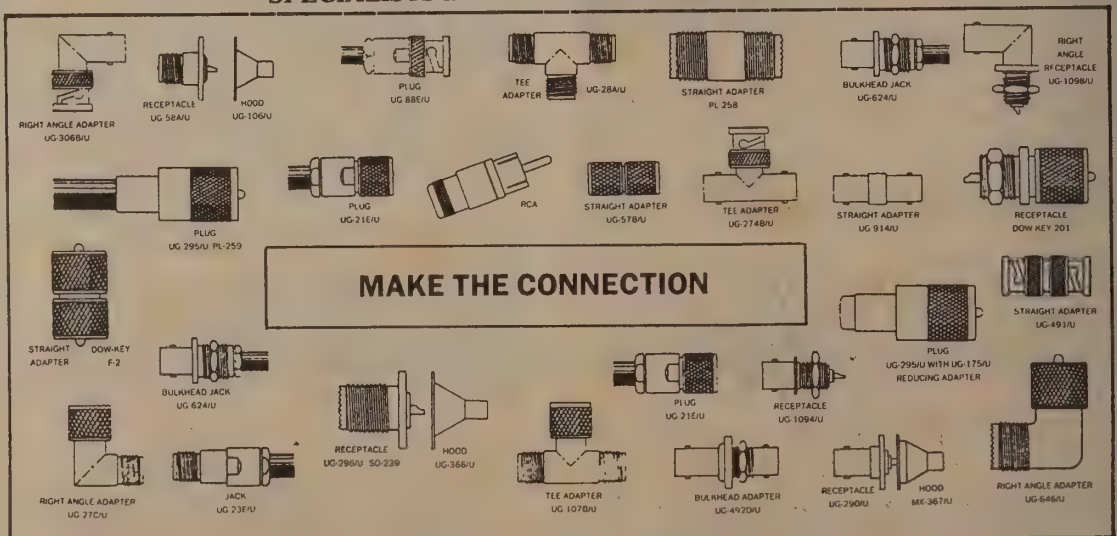
FOR SALE: TEN-TEC Model 546 Series C (Omni-C) with all filters, Model 234 speech processor, Model 243 remote VFO, Model 255 Power Supply. All in mint condition. Package deal only . . . \$675 Firm N4FG, 8809 Stark Road, Annandale, Virginia Phone (703) 503-9844 (11)

NEEDED: A few (up to 10) B&W coil clips. Jack Geist - N3BEK, 2205 Henderson Ave., Silver Spring, MD 20902. Phone (301) 942-5949 (12)

FOR SALE: Barlow-Wadley XCR-30 portable receiver, VG, with manuals (copies), collector's item . . . \$150 Japan Radio NRD-515 receiver with CW and narrow AM filters, memory unit, speaker and manuals \$800 Call Alan - N4LUS (301) 229-7069 evenings, Bethesda, MD (01)

The R.F. Connection

"SPECIALISTS IN RF CONNECTORS AND COAX"



The R.F. Connection

213 N. Frederick Ave., Suite 11, Gaithersburg, MD. 20877
301-840-5477

280

SHACK SALES

WORLD RADIO, Amateur Radio's monthly newspaper can be delivered to your doorstep for only \$13 per year (\$23 overseas). Get the latest on how your fellow amateurs use their hobby to help others. Regular features are Contest & Hamfest announcements, Aerials, Amateur Satellites, Digital Bus, DX World, Search & Rescue Communications, FCC Highlights, Mobile, New Products, Propagation, QCWA, QRP, Six Shots!, Station Appearance, Traffic, VE Exams, 10-10 International News. Send your subscription to **WORLD-RADIO**, 201 Lathrop Way, Ste. D, Sacramento, CA 95815. (Swp)

WANTED: ICOM 2AT in good to perfect condition. Double pole double throw knife switches; some working type 801 tubes; some bathtub mica capacitor with values from .0001 to .001 mfd, 5kvwdc. Guy Black - W4PSJ, 1201 Woodside Drive, Winchester, VA 22601 (703) 722-4952 (12)

WANTED: ICOM IC-900 or IC-901A, YAESU FT-4700, or other 2M/70CM mobile transceiver with remote control head. Also wanted, 2-Meter, 100+ watt mobile amplifier; 2M/70CM HT. Mike - WA2GLZ, Gaithersburg, MD (301) 840-8026 evenings or leave message. (12)

FOR SALE SANTEC ST-144 HT with mobile and wall charger, leather case with shoulder strap, speaker Mike \$175
ALSO WANT: Mobile rig, dual band 2-mtr/220 MHz like Kenwood TM-631A. Greg - KA3DBG (301) 946-6460, Rockville, MD (01)

WANTED: HAM EQUIPMENT AND OTHER PROPERTY. The Radio Club of Junior High School 22 NYC, Inc. is a non-profit organization, granted 501(C)(3) status by the IRS and incorporated with the goal of using the theme of ham radio to further and enhance the education of young people nationwide. Your property donation or financial support would be greatly appreciated and acknowledged with a receipt for your tax deductible contribution. As 1991 begins, please look over whatever unwanted equipment you may have and call us. We will pick up or arrange shipping. You will receive the tax deduction, but most important, the privilege of knowing that your gift really made a difference in the education and upbringing of a child. Write us at: **THE RC OF JHS 22 NYC, INC.**, P.O. Box 1052, New York, NY 10002. 'Round the clock **HOTLINES:** Voice (516) 674-4072, FAX (516) 674-9600 (12 Pd)

FOR SALE: DRAKE L-4B amplifier. Excellent condition \$700
Charlie Wirth - WB3DDF Phone (301) 384-0198, Silver Spring, MD (01)



Become a part of one of the country's fastest-growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For a sample newsletter, write to Joe Koester, 249 Spring Gap South, Laurel, Maryland 20707. Phone (301) 725-4229. (Swp)

FOUND: A Golden Opportunity
To place your ad in **Auto-Call**. You can have a 2" boxed ad for only \$16 per month on a yearly contract. \$22 on a one-time basis.

25 Years a Ham?



• Preserves and promotes Amateur Radio

Membership applications and
Information available from:

Quarter Century Wireless Assoc.
1409 Cooper Dr. • Irving, TX 75061

QTC

The story of a sea-going "Sparks"

By Ray Redwood, KA5HCX

A thoroughly enjoyable and well written book recounting the many exciting moment in a "Sparks" professional and private life. It mixes a wealth of radio history with personal stories of rescues and mysteries of the sea.

\$15 hardcover, \$8.95 paperback
+ \$2 shipping

Sequoia Press
2502 Cockburn
Austin, TX 78745

SHACK SALES

FOR SALE: Radio Shack Model 100 Laptop Computer. Has 21K memory (up-gradable to 64K), printer cable, modem cable, AC adapter, manuals, hard and soft carrying cases. Perfect for portable PACKET operations. All for \$260. Call Bill - WB2CPV (703) 250-5036 evenings. Falls Church, VA (02)

FOR SALE: Complete CW, RTTY, AMTOR System, includes TRS-80 Model III Computer, Macrotronics TERMINALL, all manuals, cables and software - \$275. Tom - N4BYF (703) 538-5717, Arlington, VA 22207-1331 (12)

FOR SALE:

- * Three VIC-20 Computers - Cassette with each \$60
- * MFJ 1270 TNC (for Packet) . . . \$95
- * National NC-270 Ham-band Receiver with speaker \$100
- * Hallicrafters Rx, BC - 54 MHz \$150
- * Heathkit HW-12 Transceiver AC/DC power supplies . . . \$100
- * HP 650A Test Osc; HF to 10 MHz \$80
- * John Fluke differential VMeter \$45
- * Johnson 3 HP outboard engine \$100
- Les - WA3NGF (301) 864-3892, Riverdale, MD (12X)

WANTED: Unused SR-52 TI Programmable Calculators and PC-100 printers seen earlier this year at th Howard County or Timonium Hamfests. Would like to buy two of each at the price quoted. Fred Jestaedt - KF3J, Bowie, MD. Phone after 6:00 p.m. (301) 464-8513; or before 5:00 p.m. weekdays (301) 787-3477. (12)



"RADIO INSTALLATIONS"
Clean - Neat - Professional
If'n you want it done right
Call us.
Herm - K2LEQ/3
(301) 952 1414
(C41)

DO YOUR CHRISTMAS SHOPPING EARLY CALL JWO SERVICES

1991 U.S. or FOREIGN CALLBOOKS
(List \$29.95 each) Only \$24.75 each
1991 ARRL HANDBOOK (\$25 List)
1-9 \$22.75 each, 10 -up \$21/25 each
NEW! WIFB's DESIGN NOTEBOOK
(10 List) \$9.10
NEW! REFLECTIONS by Maxwell, W2DU
Book (\$20 List) \$18.25 each
Software (\$10 List) \$9.20 each
NEW! BEAM ANTENNA HANDBOOK
by Orr, W6SAI and Gowan, W2LX
(\$9.95 List) \$9.05 each
ARRL UHF/MICROWAVE EXPERIMENTER'S MANUAL
Book (\$20 List) Only \$18.25
Software (\$10 st) Only \$9.20
NEW! DXCC COMPANION (\$6.00 List) Only \$5.50
ANTENNA IMPEDANCE MANUAL (\$15 List) \$13.65
HINTS and KINKS (\$5.00 List) \$4.55
ARRL DATA BOOK (\$12. List) Only \$10.95
Save on all AMECO, ARRL, CALLBOOK
GORDON WEST and TEXAS INSTRUMENTS
Only pay actual shipping costs
and 30¢ handling per order

JWO SERVICES

12 Hickory Place Camp Hill, PA 17011
(717-737-0850 Mastercard/Visa
Daily to 10 p.m. and weekend afternoons.
(C11)

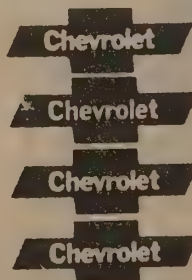
Attention Amateur Radio Newsletter Editors. AMATEUR RADIO NEWS SERVICE is an organization of publishers and editors of Amateur Radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information, write to Lee Knirko - W9MOL, 833 Park Plaine, Park Ridge, Illinois 60068 (SWP)

BARGAIN PRICES

\$1.00 per column inch (usually about 33 words) for subscribers' Amateur related, noncommercial advertising.
ADVERTISE IN AUTO-CALL

N3GCV

DAVID J. HANBURY
New Trucks
Office: 949-2400
Home: 770-DAVE (8283)



Dick Stevens
11001 GEORGIA AVENUE
WHEATON MARYLAND 20902

SHACK SALES



Society Of Wireless Pioneers

THE INTERNATIONAL ORGANIZATION
OF PROFESSIONAL RADIO TELEGRAPHERS

WM J BROWN, SEC 363-2049

Serio & Company, Chartered Certified Public Accountants

1210 WOODMONT AVE., SUITE 1110, BETHESDA, MD, 20814

JOHN T. NUTTMANN, CPA

(301) 652-5040

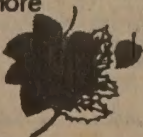
Skypoint Ham Center
101 E. Holly Ave
Sterling, Va 22170
703-430-5555

- * Large inventory of used ham gear available..up to date & vintage!
- * Professional service with modest rates and quick turnaround!
- * Well stocked inventory of new rigs, station accessories and antenna needs!
- * Collins equipment a specialty!
- * Estate liquidations and sales welcomed!
- * Customer satisfaction a priority!

Vintage Corner

Collins S / Lines
Collins KWM-2A's
Hallicrafters HT-37
Hallicrafters SX-140
Johnson Pacemaker
Johnson Viking 11
Johnson 122 VFO
B & W 5100B xmtr
B & W 51SB ssb gen
B & W L-1000A amp
Gonset GSB - 101
Gonset GSB - 201
Gonset G-50
ARC - 5 eqp & accs
Ameco TX-62
NC-188
NCX-3
Eldico S / Line
Lafayette HA-350
Navy RBS-1 rcvr

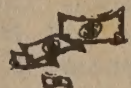
Many other pieces to
numerous to list!
Call store for more
listings!



MONTHLY FEATURE

Price specials on entire line of
Ten-Tec amateur equipment!

DEC
90

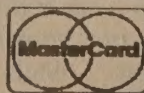


Omni V	301 Remote	700C Mic
Paragon	705 Mic	961 P/S
Titan	254 Tuner	238 Tuner
Hercules	253 Auto tuner	9420 Herc P/S

2510B Closet Kilowatt and all accessories!
Mobile antennas and accs included in sale!

STORE HOURS:

Tue-Thur..10 - 6
Fri..12 - 9
Sat..9 - 6



ACCEPTED



Skypoint Ham Center is located on Route 846 or Sterling Park Blvd. Coming from Dulles on Route 28 north turn right on route 846. Out of Tysons take route 7 towards Leesburg and turn left on 846..Location is Holly Plaza Center. From Winchester and Leesburg take Route 7 to 846..

AUTO-CALL POLICY

PRODUCTION POLICY

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. All hard copy is re-typed to preserve uniformity of style in the magazine. We use Word Perfect 5.1 word processing program, Hayes compatible modem (300 or 1200 baud) and can use either 3½" or 5¼" MS-DOS diskettes.

In determining space requirements, figure 80 12-pitch characters per line and 60 lines per page - including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. (Copy space is 6¼" wide by 9" high.) Copy can be reduced or enlarged as necessary.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will **NOT** be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number - including city and state - is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

ADVERTISING

SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of Auto-Call at 3¢ per word - with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17¢ per word - with a \$5.50 minimum.

Special headings or special spacing may be used (e.g., one item per line) but such ads are charged at a column inch rate - \$1.00 per column inch for non-commercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

Rates per Issue

Page Col	inch	1 Year	6 Times	3 Times	1 Time
Full	18	\$75.00	\$90.00	\$100.00	\$105.00
1/2	9	55.00	65.00	71.00	75.00
1/3	6	40.00	46.00	51.00	54.00
1/4	4½	33.00	38.00	41.00	43.00
1/6	3	22.00	26.00	28.00	30.00
1/8	2½	17.00	20.00	22.00	23.00
1/9	2	16.00	19.00	21.00	22.00
1/18	1	8.50	10.00	11.00	11.50

Based on camera-ready copy.

Extra charges for halftone photos and for in-house artwork or layout.

Copy must be received by the 5th of the month preceding publication date.
(e.g., Copy for August issue must be received by 5 July)

All Advertising Must be Pre-paid



JOIN ARRL

BENEFITS FOR YOU

QST, QSL Bureau Awards, Low Cost Insurance Operating Aids,
Government Liaison and More—Much More!

MEMBERSHIP APPLICATION

Name _____ Call _____

Street _____

City _____ Prov./State _____ PC/ZIP _____

\$30 in U.S. \$42 elsewhere (U.S. funds) Licensed amateurs or age 65 or over, upon submitting proof of age, may request special dues rate of \$24 in the U.S. \$36 elsewhere in U.S. funds. Persons age 17 and younger may qualify for special rates, write for application.

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA, MC, AMEX, Discover # _____

Signature _____ Expires _____

The American Radio Relay League

225 Main St. Newington, CT. 06111 USA AUTOCALL

Atlantic Division Director
Hugh Turnbull, W3ABC
6903 Rhode Island Avenue
College Park, MD 20740
Phone: (301) 927-1797

Roanoke Division Director
John Kanode, N4MM
Rt 1, Box 73-A
Boyce, VA 22620
Phone: 703-837-1340

AUTO-CALL Magazine

P.O. Box 7612

Falls Church, VA 22040-1452

Please enter my NEW _____ RENEWAL _____ GIFT _____ subscription to Auto-Call

For 1 Year _____ 2 Years _____

Subscription rate: \$6.00 per year if mailed before December 31

\$8.00 if mailed after January 1, 1991

(Sample copy of latest issue \$1.00)

will be applied to subscription

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Make check payable to the Foundation For Amateur Radio

DECEMBER 1990

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 Mobileers Stafford <u>EXAMS</u> Richmond College Park
2 MD FM Assn	3 Adams County Dept of State	4 Antietam PG Wireless	5 BARC MARC	6 Anne Arundel	7 Laurel Banquet Shenandoah	8 Stafford <u>EXAMS</u> Anne Arundel
9 Metrocom	10	11 Fauquier MADRAS	12 Pentagon --FAR--	13 Mt Vernon Xmas Party No. Virginia	14 Alexandria Fauquier Xmas SMARC Vienna	15 Capital City Stafford Tri County QCWA/OOTC Dinner
16 <u>EXAMS</u>	17 Ole VA Hams	18 Antietam Arlington Woodbridge	19 BARC Goddard MARC	20 Anne Arundel Xmas Party QCWA #20	21 Shenandoah	22 Stafford
23	24	25	26	27 St Marys	28 Alexandria New Carrollton Vienna	29 Stafford
30 Adventists	31		QCWA #20	NCDXA Net every Sunday, 147.420 at 8:30 p.m.		

AUTO-CALL

P.O. Box 7612

Falls Church, VA 22040 1452

ADDRESS CORRECTION REQUESTED

Nonprofit Organization
U.S. Postage Paid
Arlington, VA 22210
Permit 757

91/09 02649
ALFRED A LAUN III K3ZD
PO BOX 31097
TEMPLE HILLS MD 20757